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DRAFT CONSTRUCTION COMPLETION REPORT
FORMER EAST OVERFLOW POND REMEDIAL ACTION
SIMPLOT PLANT AREA
EASTERN MICHAUD FLATS SUPERFUND SITE

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MFG, Inc.
consulting scientists and engineers

USEPA SF



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DRAFT CONSTRUCTION COMPLETION REPORT
FORMER EAST OVERFLOW POND REMEDIAL ACTION
SIMPLOT PLANT AREA
EASTERN MICHAUD FLATS SUPERFUND SITE

August 2002

Prepared for:

J.R. SIMPLOT COMPANY
P.O. Box 912
1130 Highway 30
Pocatello, ID 83204

Prepared by:

MFG, INC.
consulting scientists and engineers

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Boulder, CO 80301
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MFG Project No. 010121-5

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B	As-Built Construction Drawings for the New, Lined Impoundment (Reclaim Water Pond #2)

1.0 INTRODUCTION

This Construction Completion Report (CCR) documents the remedial actions performed for the Former East Overflow Pond at the Simplot Plant Area of the Eastern Michaud Flats (EMF) Superfund Site (the Site), located near Pocatello, Idaho. Remedial actions at the Former East Overflow Pond are a required component of the comprehensive Site remedy described in the Record of Decision (ROD; USEPA, 1998) and subsequent Consent Decree for the Simplot Plant Area portion of the Site (USEPA, 2002).

1.1 Site Description and Project History

The EMF Site is located near the City of Pocatello, Idaho (Figure 1) and includes two industrial facilities: the FMC Elemental Phosphorus Facility (which ceased operations in December 2001) and the J.R. Simplot Don Plant. The Don Plant produces phosphoric acid and a variety of liquid and solid fertilizers. FMC produced elemental phosphorus. The EPA has divided the Site into three areas: the FMC Plant Area includes the FMC facility and adjacent land owned by FMC; the Simplot Plant Area includes the Don Plant and adjacent land owned by Simplot; and the Off-Plant Area, which surrounds the FMC- and Simplot-Plant Areas.

The Simplot Don Plant covers approximately 745 acres and adjoins the eastern property boundary of the FMC facility (see Figure 2). The main portion of the plant lies approximately 500 feet southwest of the Portneuf River. Of the 745 acres, approximately 400 acres are committed to the gypsum stack. Another 185 acres are occupied by the plant and its infrastructure. A significant portion of the remaining acreage to the south and southeast of the plant consists of cliffs and rugged steep terrain. A Union Pacific Railroad right-of-way is adjacent to the northern fence line of the Don Plant and passes through the northern portion of the Simplot Plant Area, paralleling U.S. Highway 30. Access to the Don Plant is provided by I-86 and U.S. Highway 30.

The Don Plant began production of a single superphosphate fertilizer in 1944. Phosphoric acid production began in 1954. Currently, the plant produces 12 principal products, including five grades of solid fertilizers and four grades of liquid fertilizers. The principal raw materials for the process are

phosphate ore, which is transported to the facility via a slurry pipeline from the Smoky Canyon mine, sulfur, air and ammonia. The primary byproduct from the Don Plant process is gypsum (calcium sulfate), which is stacked on site.

An Administrative Order on Consent (AOC) was issued by the U.S. Environmental Protection Agency (EPA) on May 30, 1991 and entered into voluntarily by FMC and Simplot. The AOC specified requirements for implementation of a Remedial Investigation (RI) and Feasibility Study (FS) to evaluate site conditions and remedial alternatives to address any potential threats to human health and the environment. Based on the findings of these studies, EPA issued a Record of Decision (ROD; USEPA, 1998), specifying the selected remedial actions for the Site on June 8, 1998. A Consent Decree (USEPA, 2002) between EPA and Simplot, which specified the conditions for implementing the selected remedial actions in the Simplot Plant Area portion of the Site, was entered on May 9, 2002.

1.2 Remedial Action Objective and Performance Standard

Remedial actions to excavate gypsum sediments from the area of the Former East Overflow Pond and construction of a new, lined impoundment were a required work element under the Consent Decree Statement of Work (SOW). As described in the SOW, the objective of the actions was *"to reduce the potential for infiltration through potential source materials"*.

In addition, the SOW states that the *'performance of this element of the work will be evaluated by monitoring groundwater for the contaminants of concern at upgradient and down gradient locations.'*

1.3 Report Organization

This CCR summarizes the remedial actions performed for the Former East Overflow Pond work element. Section 2 presents the construction chronology. Section 3, presents the details of the construction activities, including results of confirmation sampling performed to verify removal of the gypsum sediments from the pond area and details pertaining to construction of the new, lined impoundment in the excavated area. Section 4 summarizes the groundwater monitoring activities to be

conducted in evaluating the performance of the remedial actions. Field and laboratory data reports associated with sediment removal are contained in Appendix A and as-built construction drawings for the project are included as Appendix B.

2.0 CONSTRUCTION SUMMARY AND SEQUENCE

Remedial actions were implemented at the Former East Overflow Pond in the second half of 1997. The work activities consisted of excavating sediments from the bottom of the Former East Overflow Pond and over-excavating the underlying material to create the foundation for a new, lined impoundment. The excavated materials were relocated to the gypsum stack and confirmatory sampling was performed to verify that the sediments had been removed prior to impoundment construction. Once these actions were completed, fill material was imported from an on-site borrow area, compacted and shaped to form the base for the lined impoundment. A double-lined impoundment with a leak detection system was then constructed on the prepared subgrade.

3.0 CONSTRUCTION ACTIVITIES

The following sections detail the activities conducted to complete the Former East Overflow Pond remedial actions.

3.1 Sediment Removal

A tracked excavator was used to remove the materials from the base of the Former East Overflow Pond. During excavation a visually distinct surficial layer of light colored material, typically one to three feet thick, and the underlying material were removed. The excavated materials were loaded into tandem dump trucks, transported to the southwest corner of the lower gypsum stack and placed on the gypsum stack (see as-built drawing C-214 in Appendix B for location). Following removal of the visible pond sediments, the excavation was advanced as necessary to achieve the excavation depth required for the new pond construction.

3.2 Confirmation Sampling

Four samples were collected from the base of the excavation to verify that the sediments had been removed. Two samples were collected from the east end of the excavation, one sample was collected from near the center of the excavation and one sample was collected from the north side of the excavation. A sketch of the sampling point locations is included in Appendix A.

The samples were analyzed for arsenic (Method 6010A) by Mountain States Analytical, Inc. of Salt Lake City, Utah. Arsenic was not detected in any of the four samples above the limit of quantitation of 15 mg/Kg. Copies of the field documentation and laboratory report for the samples are included as Appendix A.

3.3 New Impoundment Construction

Following excavation and confirmation sampling, replacement fill was imported, compacted and shaped to provide a suitable subgrade for construction of the new, lined impoundment. The impoundment was constructed with a double liner system with leak detection between the liners. As-built construction drawings of the new impoundment system are attached as Appendix B.

4.0 GROUNDWATER MONITORING

Groundwater monitoring will be performed at locations upgradient and down gradient of the Former East Overflow Pond to evaluate the performance of the remedial actions. Beginning with the start-up of the groundwater extraction system for gypsum stack affected groundwater, groundwater samples will be collected quarterly and will continue for a period of five years. Well 332 will be monitored to characterize the upgradient groundwater and well 318 will be monitored to characterize the down gradient groundwater (see Figure 2).

During use, the Former East Overflow Pond was identified as a source of arsenic and sulfate to groundwater. Therefore, the groundwater samples from wells 332 and 318 will be analyzed for these constituents. The sample will also be sampled for field parameters (temperature, pH, conductivity and turbidity) and other chemical constituents that may also be useful in evaluating performance of the groundwater extraction system.

Because constituent concentrations in groundwater underlying the Former East Overflow Pond are expected to change in response to the start-up of the groundwater extraction system, data from the extraction start-up phase will not be used in evaluating performance. Following the start-up period, constituent concentrations in groundwater immediately down gradient of the pond will be compared with constituent concentrations immediately upgradient of the pond using an analysis of variance method (in particular, the one-way parametric analysis of variance). Further details of the statistical methods that will be used in evaluating the groundwater data are described in the Groundwater Monitoring Remedial Design Report (Simplot, 2002a).

At the end of the five year monitoring period, the groundwater data will be evaluated to assess performance of the remedial actions. If the data demonstrate that the pond has had no effect on groundwater quality, the performance standard for the remedial actions will be met and the monitoring will be discontinued. If the performance standard is not met, a Corrective Action Plan will be prepared and submitted by Simplot, which will provide details of any corrective actions proposed for the pond and on-going monitoring. The Corrective Action Plan will be implemented on approval by EPA.

5.0 REFERENCES

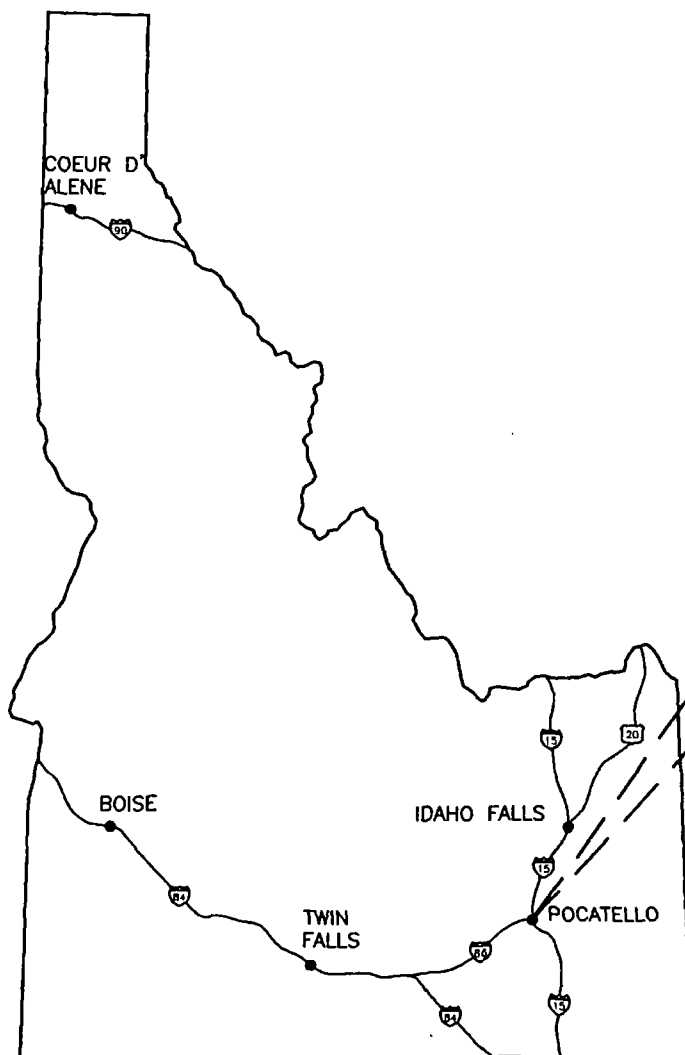
J.R. Simplot Company (Simplot), 2002a. *Draft Prefinal Remedial Design Report, Groundwater Monitoring, Simplot Plant Area Eastern Michaud Flats Superfund Site*. Prepared by MFG, Inc.

U.S. Environmental Protection Agency (EPA). 1998. *Record of Decision for the Eastern Michaud Flats Superfund Site*. June 8, 1998.

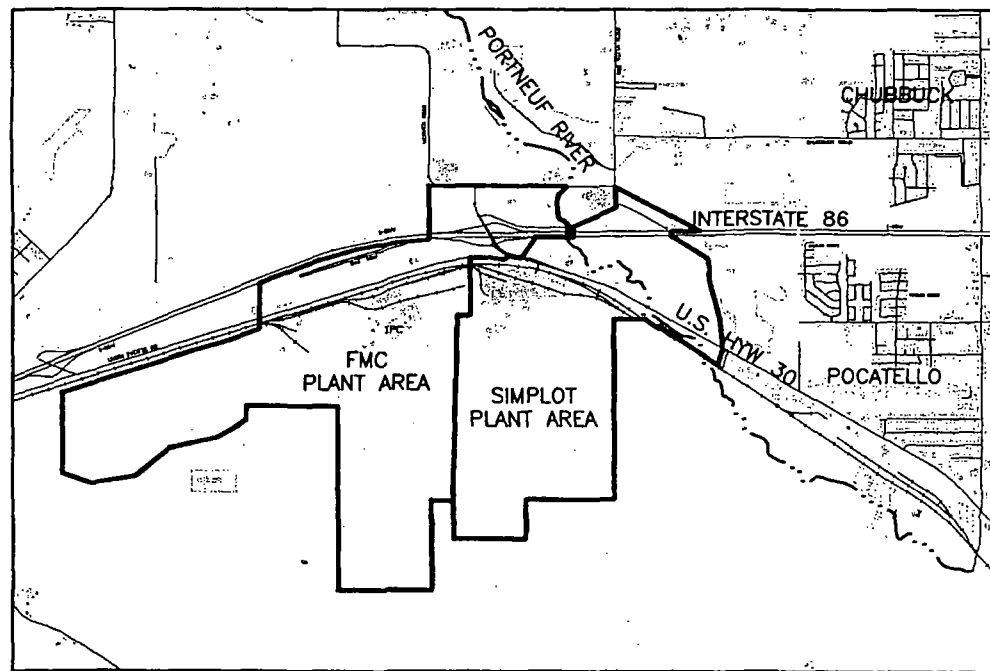
U.S. Environmental Protection Agency (EPA), 2002. *Consent Decree for Remedial Design/Remedial Action for the Simplot Plant Area at the Eastern Michaud Flats Superfund Site*. U.S. EPA Region 10. May 9, 2002.

FIGURES

FIGURES



IDAHO

EASTERN MICHAUD FLATS
SUPERFUND SITE VICINITY

**SIMPLOT PLANT AREA
EASTERN MICHAUD FLATS
SUPERFUND SITE
POCATELLO, IDAHO**

EOP CONSTRUCTION COMPLETION REPORT

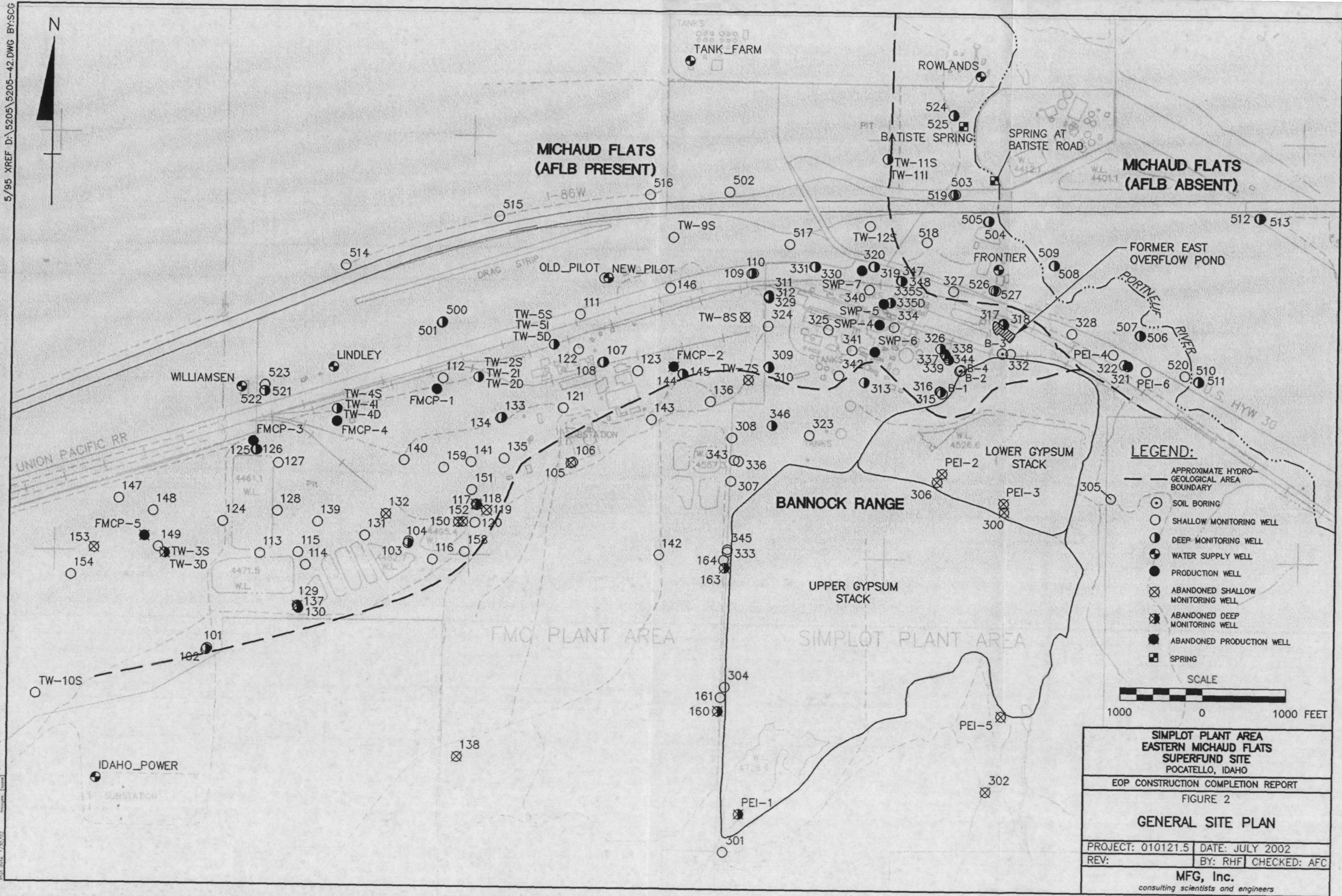
FIGURE 1

SITE LOCATION MAP

PROJECT: 010121.5	DATE: JULY 2002
REV:	BY: RHF CHECKED: AC

MFG, Inc.

consulting scientists and engineers



APPENDICES

APPENDIX A

APPENDIX A

Field Sample Documentation and Laboratory Report

Field Notes from sample logbook.

7/31/97

N/A - Samples soils
pulled for
hold request

Soil samples pulled at
the request of Paul Aschenbrenner
(Project Engineer). ~~a~~ Representative
of soils left in place
prior to building new,
lined pond in the old
East over flow Pond bed.

NA

fcc
810

Sample Team:

John Cunningham - sampler

Paul Otto - scribe

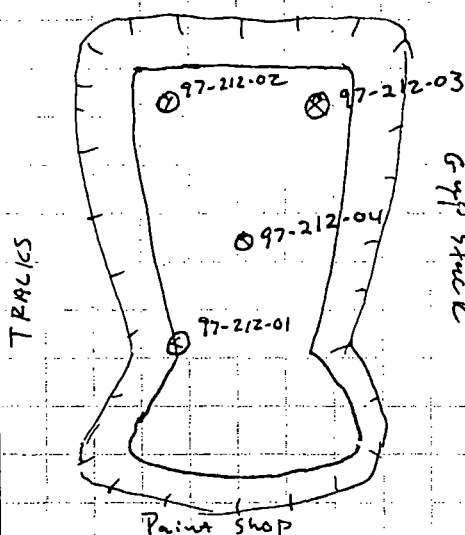
Paul Aschenbrenner - Engineer

Equipment:

4 @ stainless steel scoopulas

4 @ 250 ml glass bottles w/ teflon lined lids

red security tape



97-212-01

15:35

Grab - Sandy/Gravel

Engineer selected site
6" below bottom (new pond)

fcc

97-212-02

15:40

Grab - Hard Clay w/
some gypsum

Engineer Selected site
0.6 below bottom

fcc

97-212-03

15:45

Grab - Hard Clay w/
gypsum

Engineer Selected site
0.6 below bottom

fcc

97-212-04

15:50

Grab - Hard Clay w/
some gypsum

Random - Grade

Read and Understood By

Continued on Page

fcc

Signed

Date

Signed

Date



Mountain States Analytical, Inc.

October 15, 1997

Mr. John Cunningham
J.R. Simplot Company
P.O. Box 912
1150 Highway 30 West
Pocatello, ID 83201

Reference: .
Project: Soil Samples
MSAI Group: 18112

Dear Mr. Cunningham:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

97-212-01	97-212-02	97-212-03
97-212-04		

All holding times were met for the tests performed on these samples.

Thank you for selecting Mountain States Analytical, Inc. to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

With Regards,

Rolf E. Larsen
Project Manager

Analytical Report**Mountain States Analytical, Inc.***The Quality Solution*

J.R. Simplot Company
P.O. Box 912
1150 Highway 30 West
Pocatello, ID 83201

Attn: Mr. John Cunningham
Project: Soil Samples

Sample ID: 97-212-01

Matrix: Soil


MSAI Sample: 69154
MSAI Group: 18112
Date Reported: 10/15/97
Discard Date: 11/14/97
Date Submitted: 10/01/97
Date Sampled: 07/31/97
Collected by: JC
Purchase Order: 800005
Project No.:

Test Analysis	Results as Received	Units	Limit of Quantitation
0.90I Flame/ICP Prep, sw, 3050A Method: SW-846 3050A	Batch: s 282		
7.45 Arsenic by ICP, sw, 6010A Method: SW-846 6010A	ND	mg/kg	15

ND - Not detected at the limit of quantitation

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
Reviewed and Approved by:


Rolf E. Larsen
Project Manager

ANALYTICAL REPORT**Mountain States Analytical, Inc.***The Quality Solution*

J.R. Simplot Company
P.O. Box 912
1150 Highway 30 West
Pocatello, ID 83201

Attn: Mr. John Cunningham
Project: Soil Samples

Sample ID: 97-212-02

Matrix: Soil

MSAI Sample: 69155
MSAI Group: 19112
Date Reported: 10/15/97


Discard Date: 11/14/97
Date Submitted: 10/01/97
Date Sampled: 07/31/97
Collected by: JC
Purchase Order: 800005
Project No.:

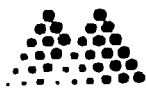
Test Analysis	Results as Received	Units	Limit of Quantitation
Flame/ICP Prep, sw, 3050A Method: SW-846 3050A	Batch: s 282		
Arsenic by ICP, sw, 6010A Method: SW-846 6010A	ND	mg/kg	15

ND - Not detected at the limit of quantitation

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
Reviewed and Approved by:


Rolf E. Larsen
Project Manager

Analytical Report**Mountain States Analytical, Inc.***The Quality Solution*

J.R. Simplot Company
P.O. Box 912
1150 Highway 30 West
Pocatello, ID 83201

Attn: Mr. John Cunningham
Project: Soil Samples

Sample ID: 97-212-03

Matrix: Soil

MSAI Sample: 69156
MSAI Group: 18112
Date Reported: 10/15/97

Discard Date: 11/14/97
Date Submitted: 10/01/97
Date Sampled: 07/31/97
Collected by: JC
Purchase Order: 800005
Project No.:

Test Analysis	Results as Received	Units	Limit of Quantitation
901 Flame/ICP Prep, sw, 3050A Method: SW-846 3050A	Batch: s 282		
45 Arsenic by ICP, sw, 5010A Method: SW-846 5010A	ND	mg/kg	15

ND - Not detected at the limit of quantitation

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
Reviewed and Approved by:


Rolf E. Larsen
Project Manager

Analytical Report**Mountain States Analytical, Inc.***The Quality Solution*

J.R. Simplot Company
 P.O. Box 912
 1150 Highway 30 West
 Pocatello, ID 83201

Attn: Mr. John Cunningham
 Project: Soil Samples

Sample ID: 97-212-04

Matrix: Soil

MSAI Sample: 69157
 MSAI Group: 18112
 Date Reported: 10/15/97

Discard Date: 11/14/97
 Date Submitted: 10/01/97
 Date Sampled: 07/31/97
 Collected by: JC
 Purchase Order: 800005
 Project No.:

Test Analysis	Results as Received	Units	Limit of Quantitation
90I Flame/ICP Prep, sw, 3050A Method: SW-846 3050A	Batch: s 282		
45 Arsenic by ICP, sw, 6010A Method: SW-846 6010A	ND	mg/kg	15

ND - Not detected at the limit of quantitation

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
 Reviewed and Approved by:

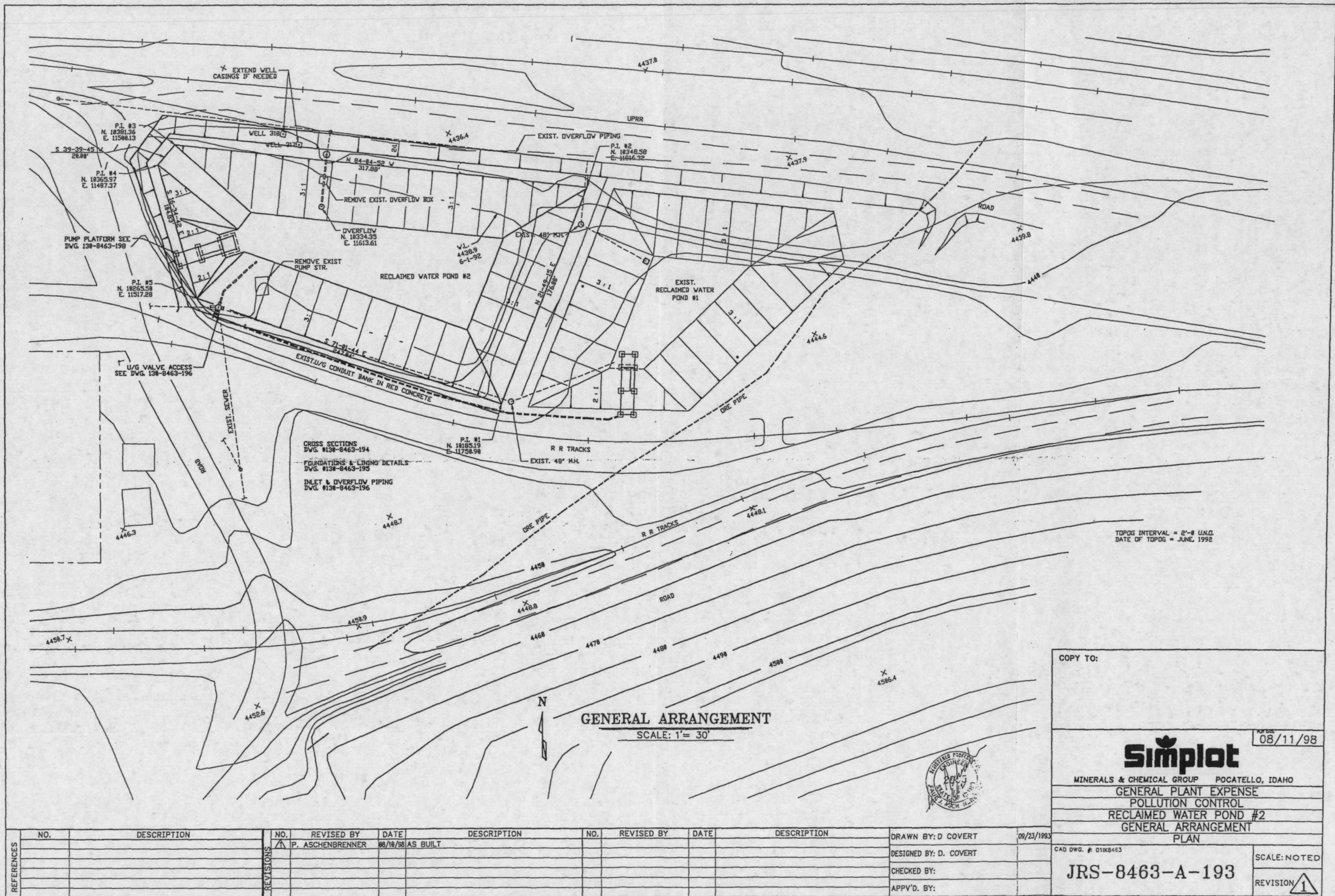
Rolf E. Larsen
 Project Manager

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY RECORD					ANALYSIS										SAMPLE DATA/ LAB INSTRUCTIONS			P.O.#: 800005	
SIGNATURE			DATE	NUMBER AND TYPE OF CONTAINERS	M E T A L S	A N I O N S	V O L A T I L S	S E M I V O L A T I L S	P C B S	C Y A N I D E	A S B E S T O S	T e m p A r c h i v e	P H	L A B D I S P O S A L	P R E S E R V A T I V E	LOGBOOK #:			
SAMPLE NUMBER	SAMPLE DATE	TIME	SAMPLE LOCATION													PROJECT/AREA: Superfund - East Overflow Pond			
COMMENTS/WCP#																			
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97-212-02	7/31/97	15:40	EOP 06 th	1-4g Gd								X				Grab - Soil			
97-212-03	7/31/97	15:45	EOP 06 th	1-4g Gd								X				Grab - Soil			
97-212-04	7/31/97	15:50	EOP 6 th	1-4g Gd								X				Grab - Soil			
																* Please archive			
																samples until			
																notified.			
Relinquished By Sampler: JLC/LC					9-29-97		9:15		Received By: Monte V. Lee					9-28-97		9:20 AM			
Relinquished By: Monte V. Lee					9-29-97		11:00 AM		Received By: UPS					9-28-97		11:05 AM			
Relinquished By:									Received By: Pam Olson					10-01-97		1520			
Relinquished By:									Received By:										
Relinquished By:									Received By:										
Contact: RCRA ENVIRONMENTAL SPECIALIST J.R. SIMPLOT COMPANY (208) 234-5365 P.O. Box 912 POCATELLO, ID 83204																			

APPENDIX B

APPENDIX B

**As-built Construction Drawings for the New, Lined Impoundment
(Reclaim Water Pond #2)**

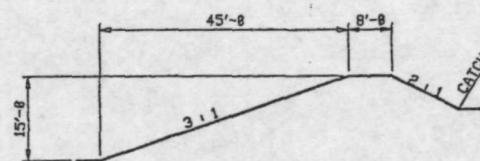




CROSS SECTION LOCATION PLAN

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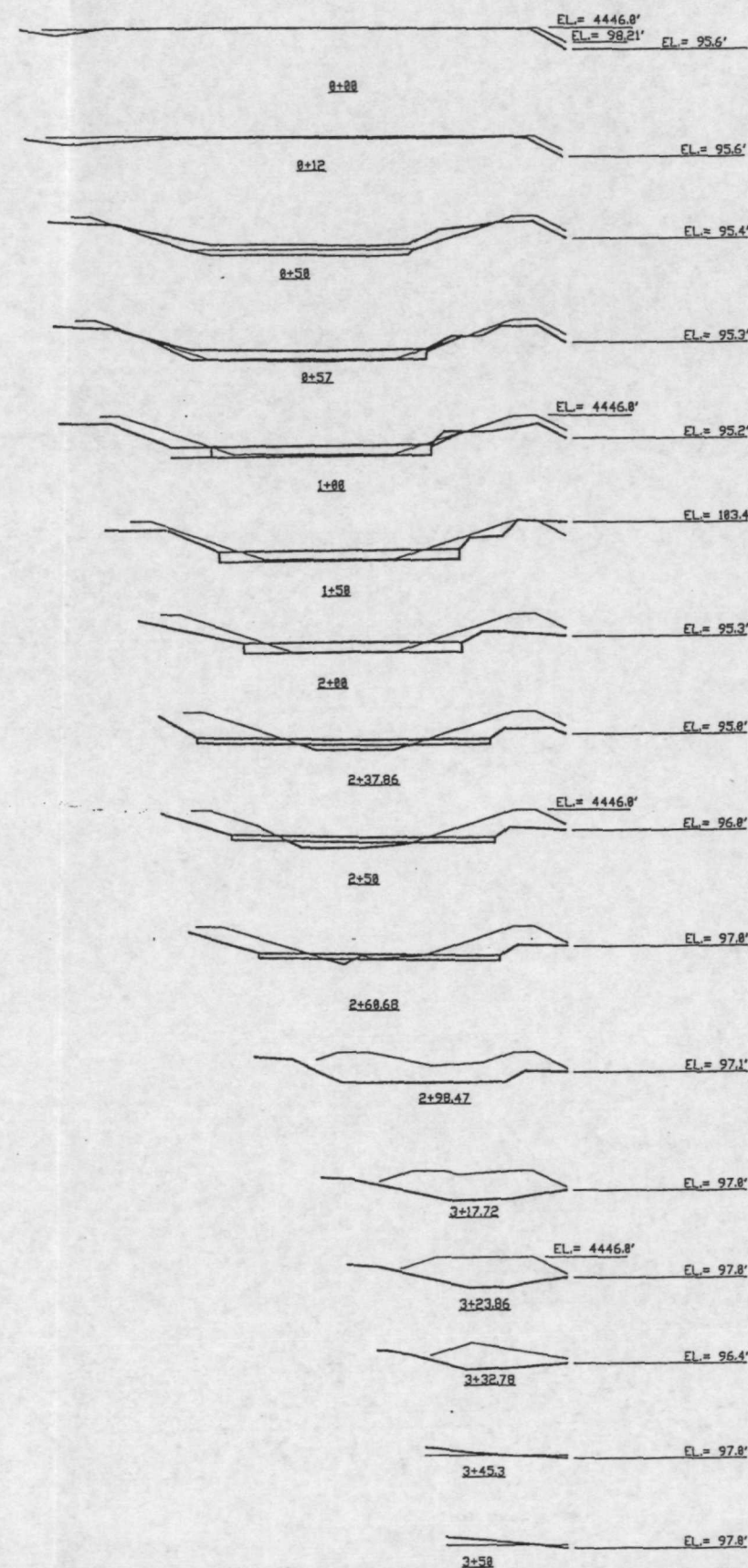
ALL X-SEC'S LOOKING WEST-



SECTION

SCALE:

TYP. X-SECTION



COPY TO:

08/11/98



Simplot

MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

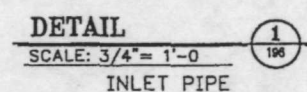
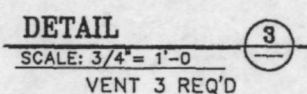
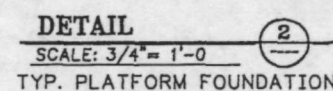
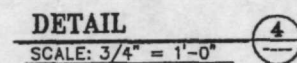
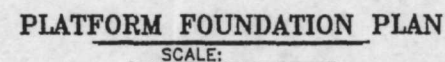
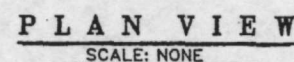
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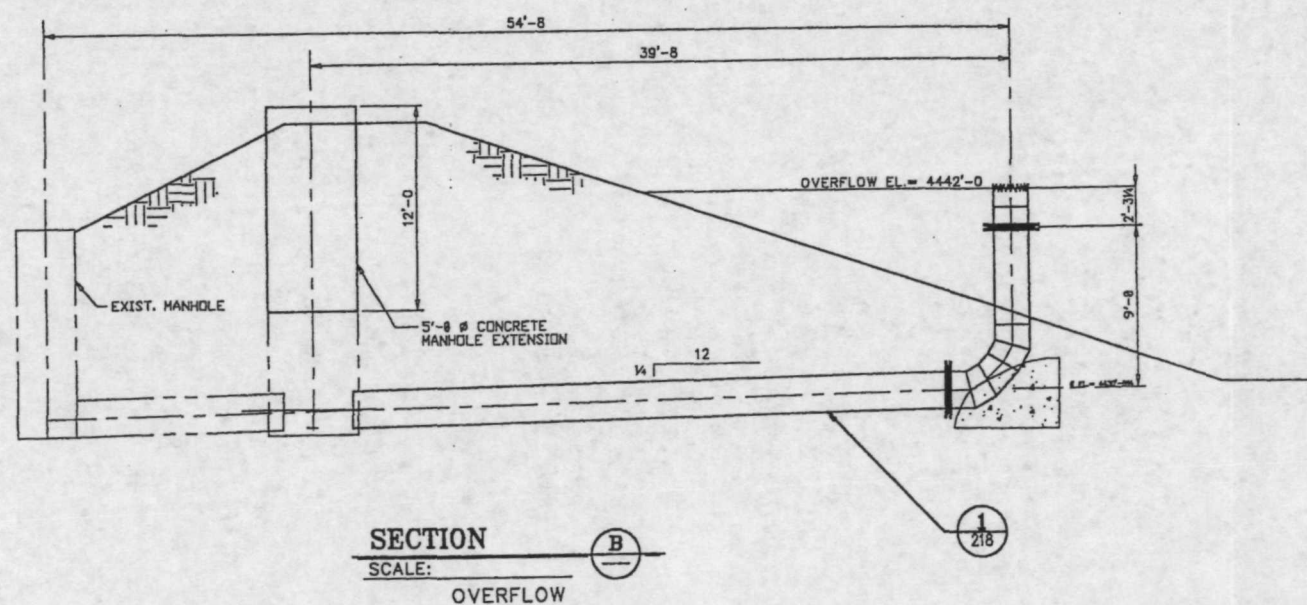
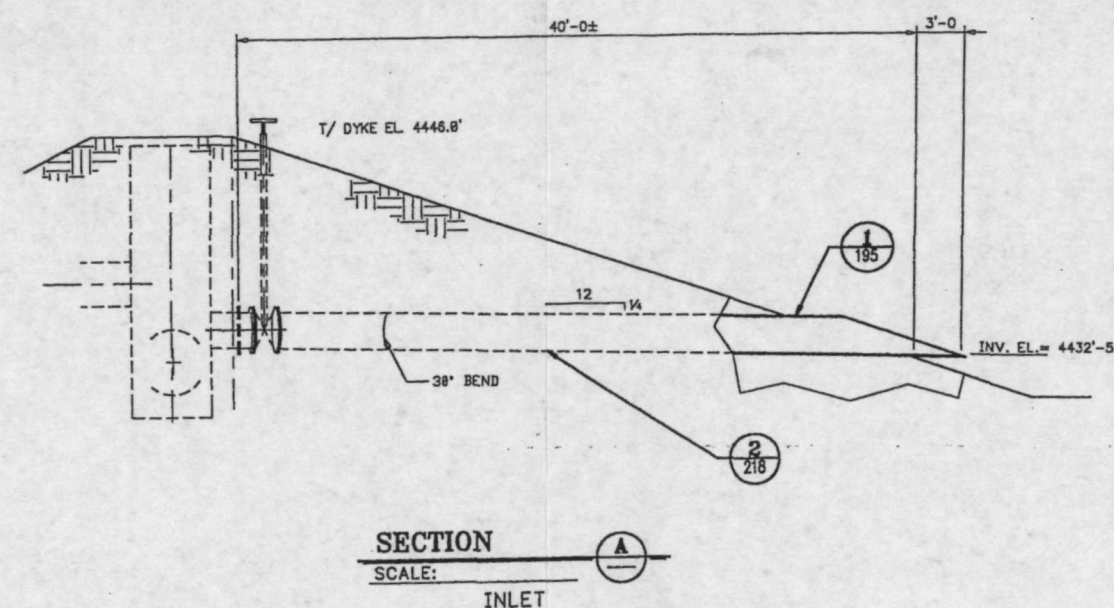
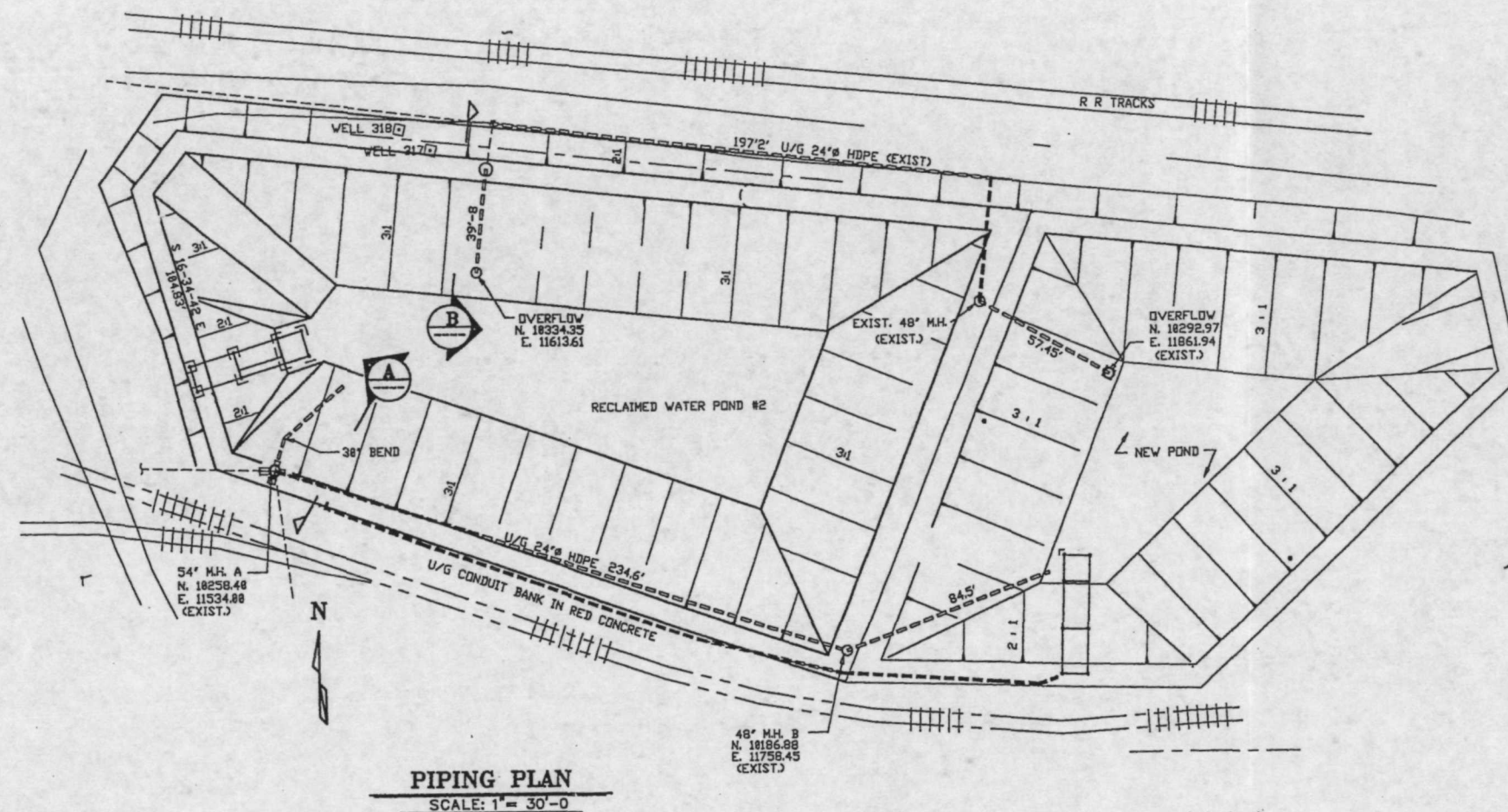
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REVISION 2

[illegible]

[illegible]

COPY TO:

FILE DATE
08/11/98


Simplot

MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PIPING

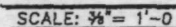
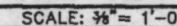
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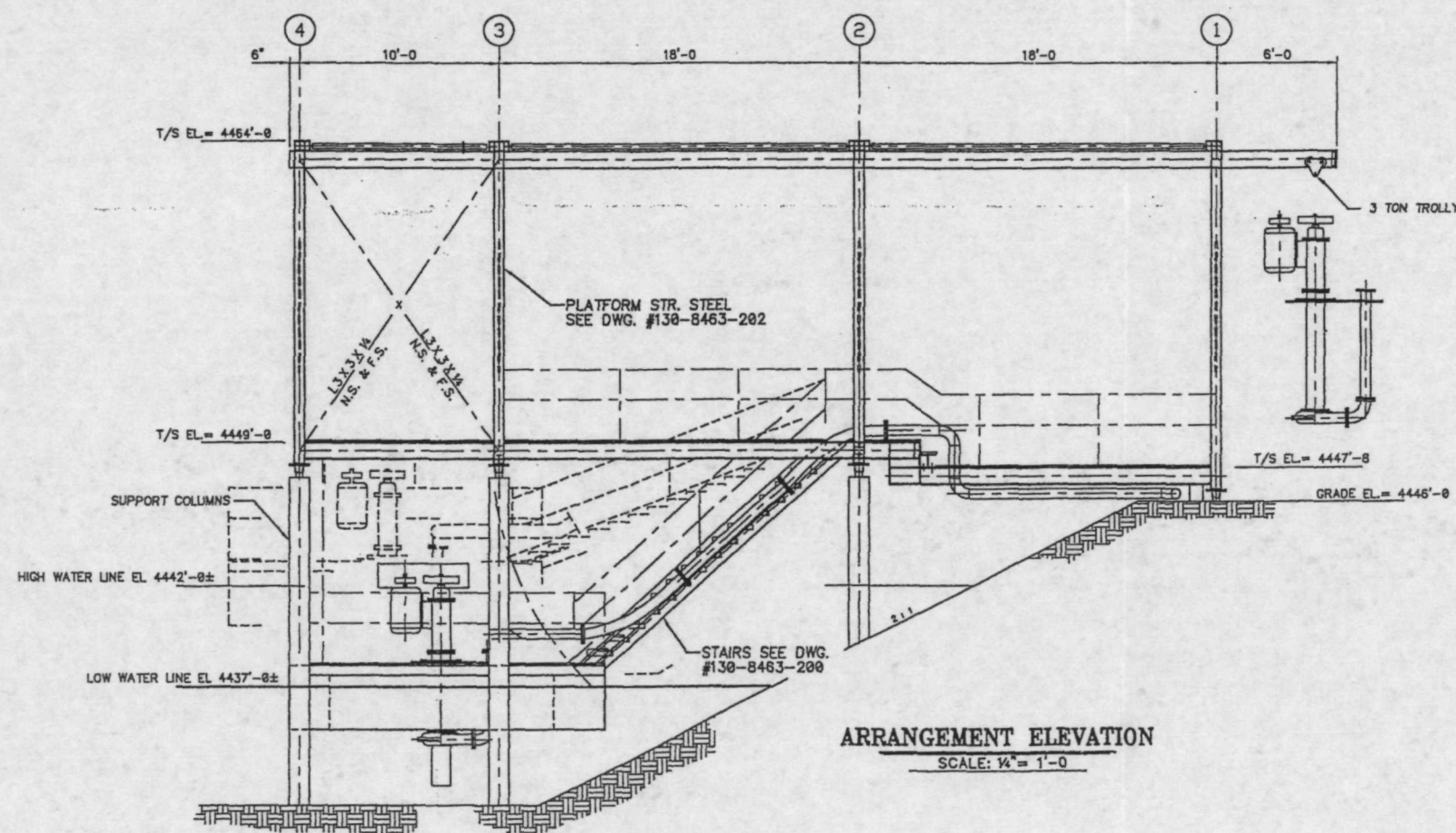
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JRS-8463-P-196

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REVISION 1

REVISION 1



ARRANGEMENT ELEVATION
SCALE: $\frac{1}{4}" = 1'-0$

08/11/98



Simplot

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PUMP PLATFORM

GENERAL ARRANGEMENT

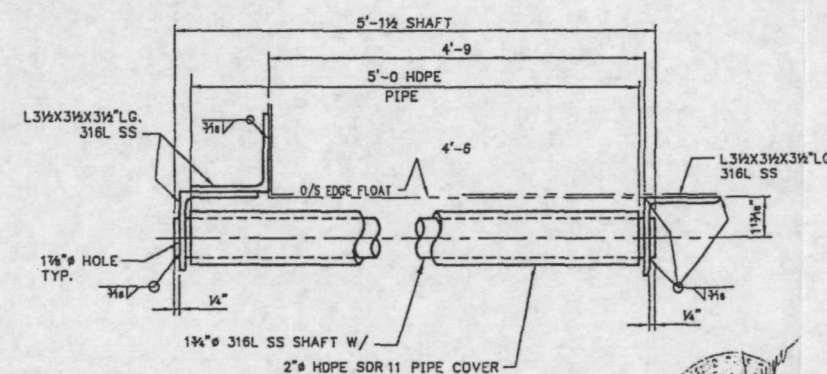
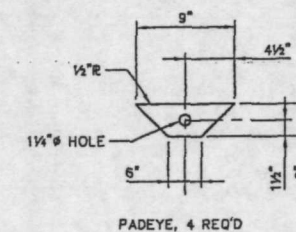
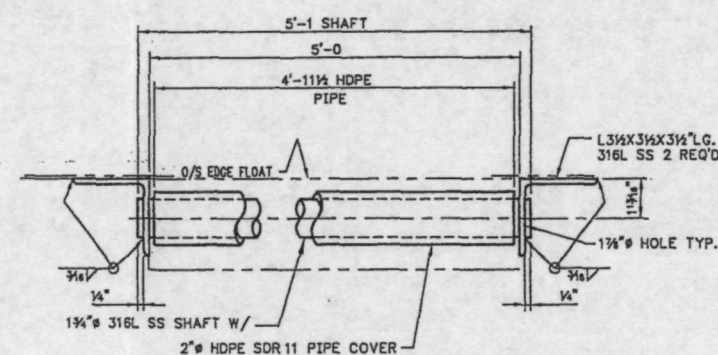
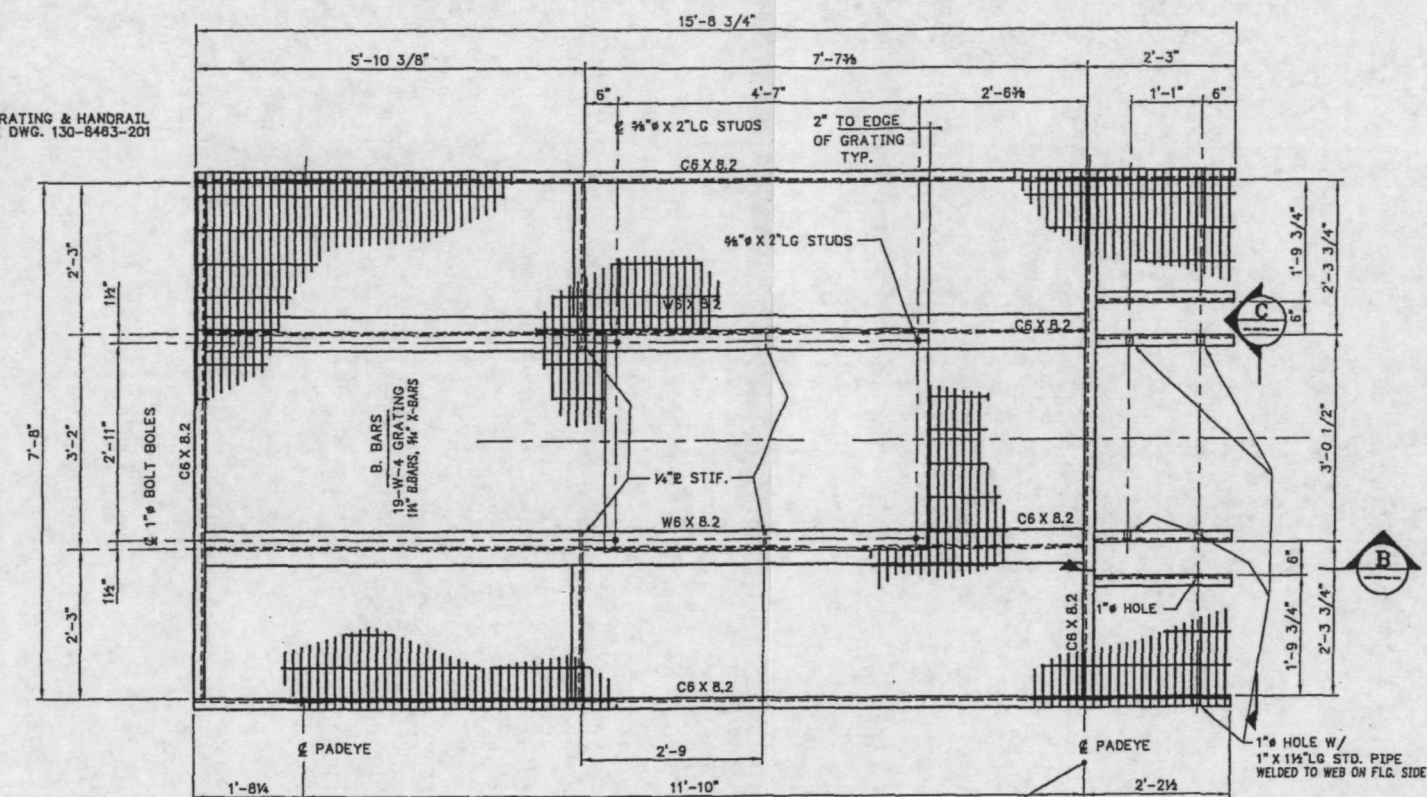
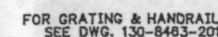
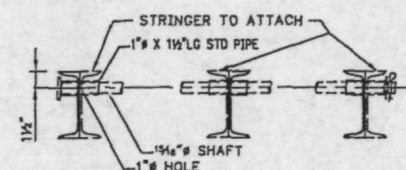
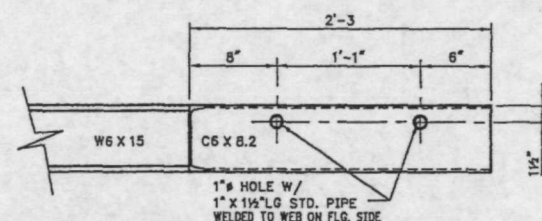
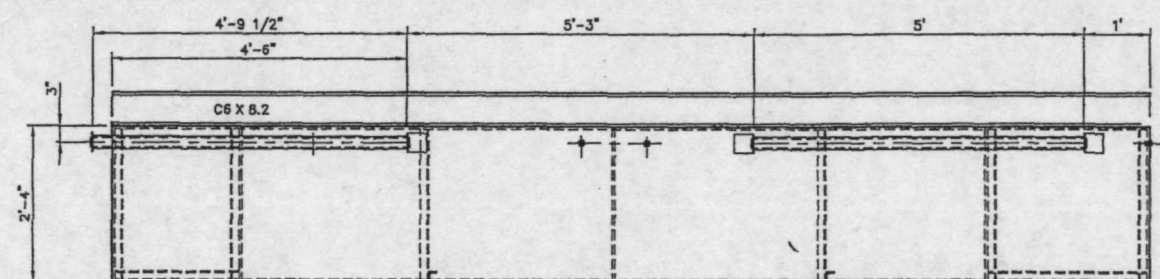
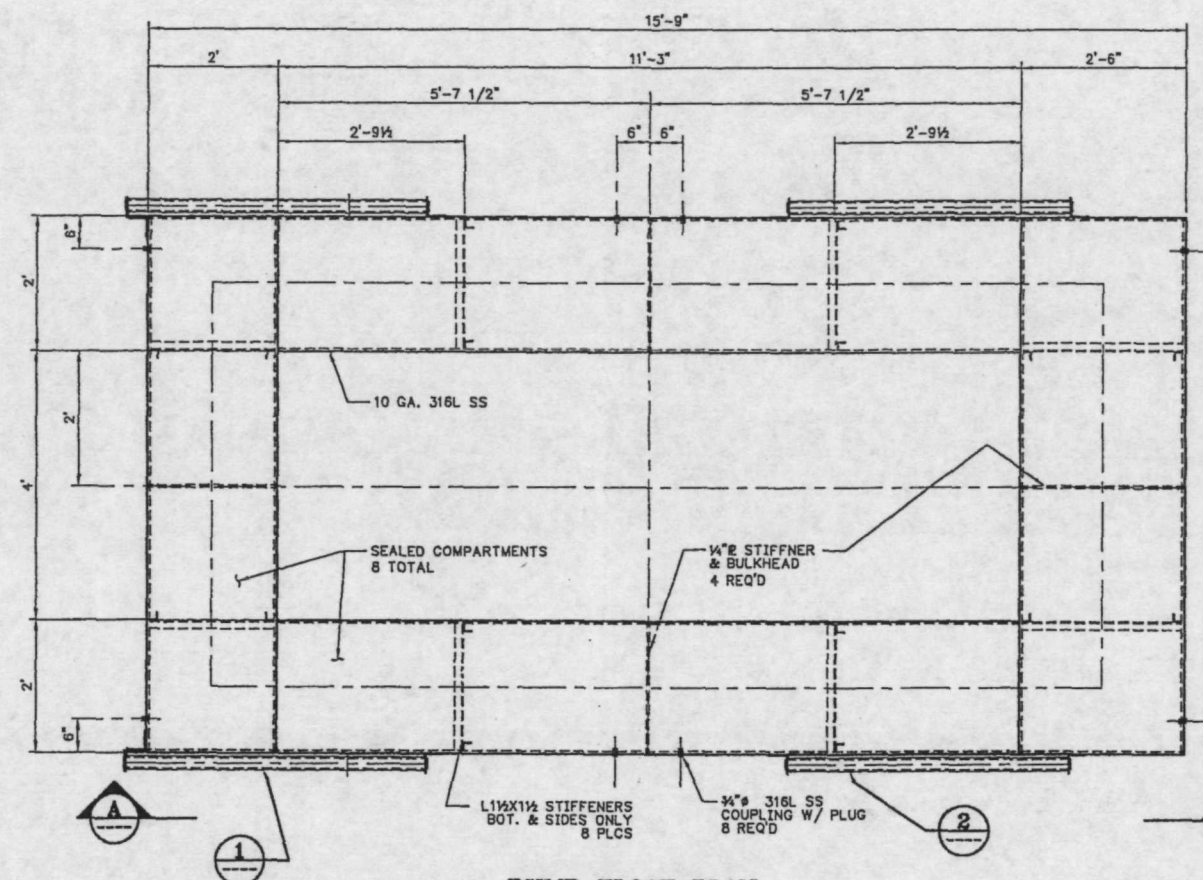
CAD DWG. #: 01BE8463


JRS-8463-S-198

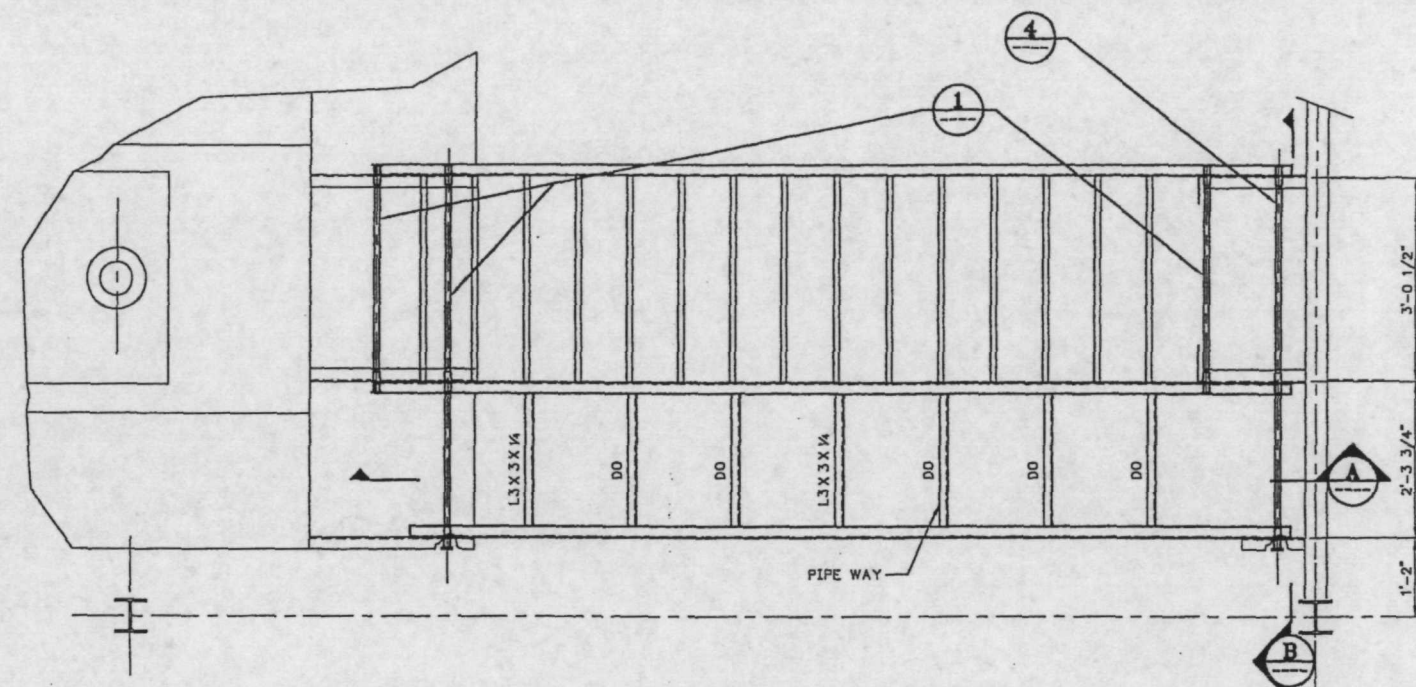
SCALE: NOTED

REVISION 1

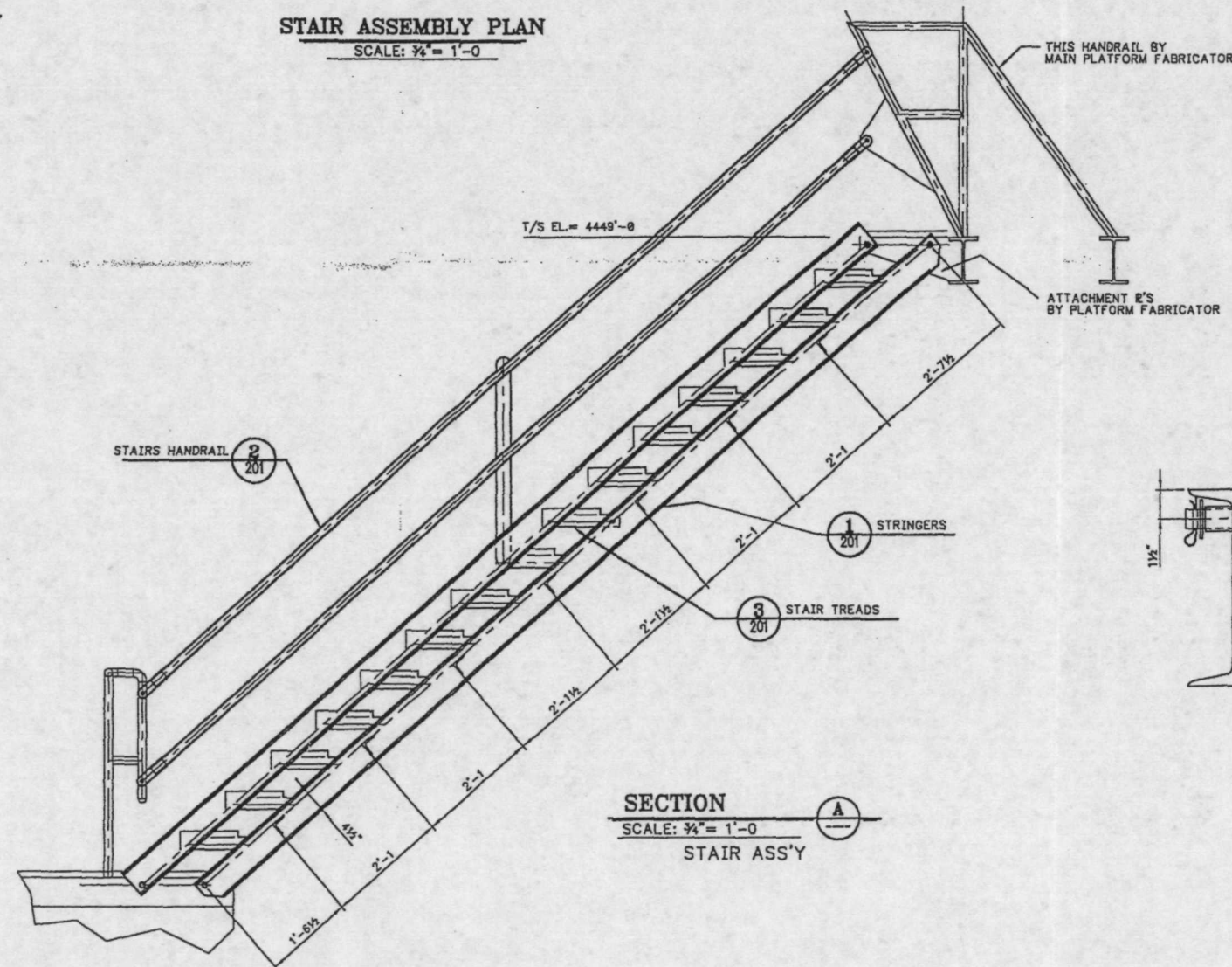
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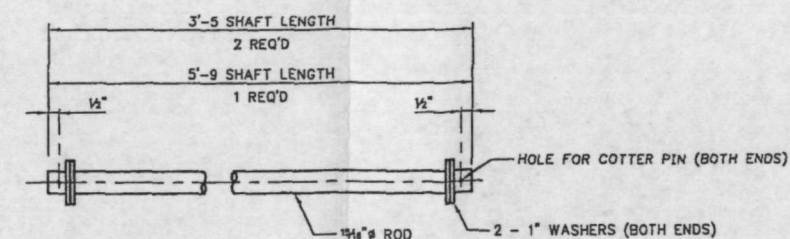
COPY TO:		<div style="border: 1px solid black; padding: 2px;"> <small>KLP DWG</small> 08/11/98 </div>	
			
MINERALS & CHEMICAL GROUP		POCATELLO, IDAHO	
GENERAL PLANT EXPENSE			
POLLUTION CONTROL			
RECLAIMED WATER POND #2			
PUMP PLATFORM			
PUMP FLOAT, PLAN, SECTION & DETAILS			
CAD DWG. #: 01H8463		SCALE: NOTE	
JRS-8463-S-199		REVISION	
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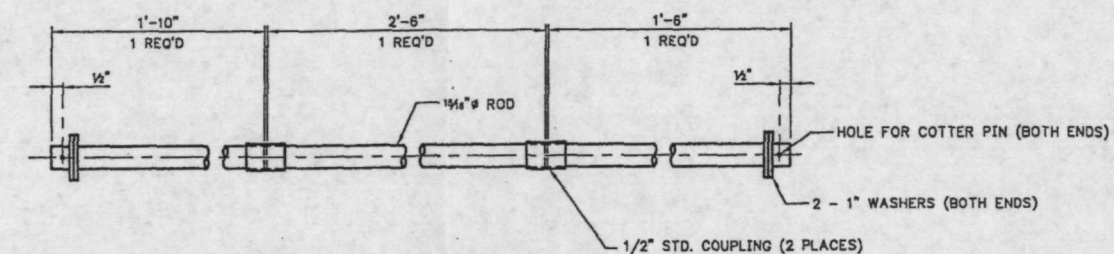
STAIR ASSEMBLY PLAN
SCALE: 3/4" = 1'-0"



SECTION A-A
SCALE: 3/4" = 1'-0"
STAIR ASS'Y



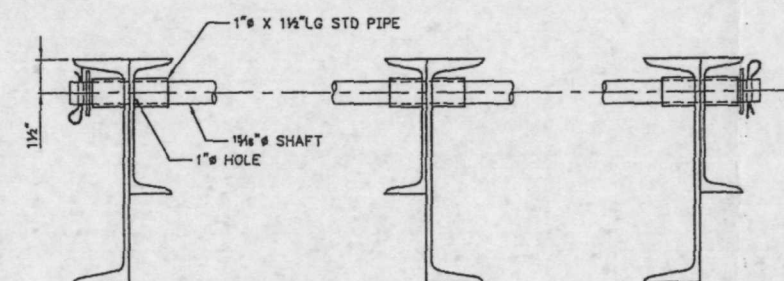
DETAIL 1
SCALE:



DETAIL 4
SCALE:

NOTE:

1. ALL STEEL, ASTM A-36
2. SHOP COAT STEEL WITH PORTER ZINCLOCK 351, 2 MILS DFT PRIMER, AND PORTER MCR 43 HIGH BUILD EPOXY, 4 MILS DFT FINISH COAT, LT. GREY. HANDRAILS OSHA YELLOW, STAIR TREADS BLACK.



SECTION B-B
SCALE:

COPY TO:

08/11/98

Simplot

MINERALS & CHEMICAL GROUP POCATELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PUMP PLATFORM

STAIR ASSEMBLY

CAD DWG. # 01808463

JRS-8463-S-200

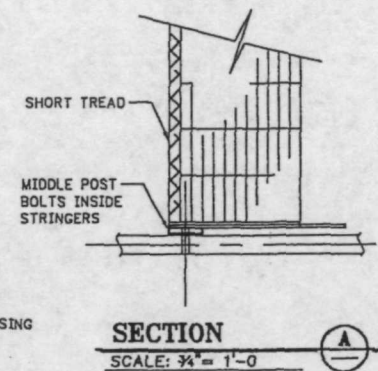
SCALE: NOTED

REVISION **1**

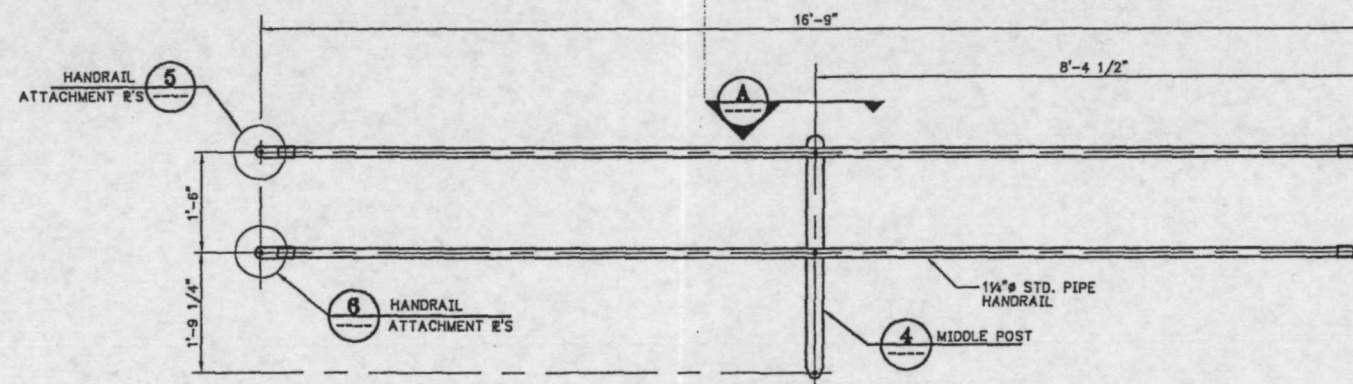
NO.	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION
		1	P. ASCHENBRENNER	08/10/98	AS BUILT				

DRAWN BY: D COVERT 10/15/1993
DESIGNED BY: D. COVERT 10/01/1994
CHECKED BY:
APPV'D. BY:

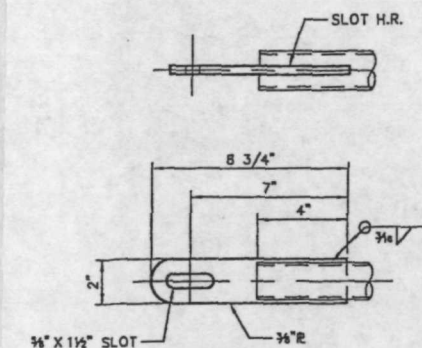
DETAIL
SCALE: 1 1/2" = 1'-0"
STAIR TREADS



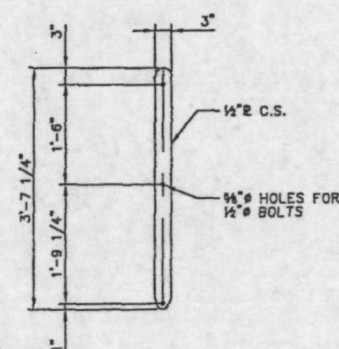
SECTION
SCALE: 3/4" = 1'



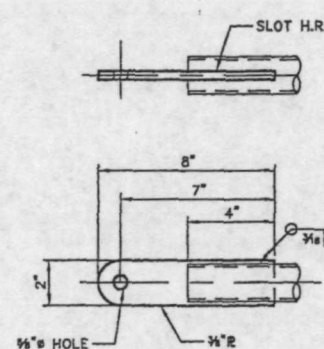
DETAIL 2
SCALE: 3/4" = 1'-0"
 STAIRS HANDRAIL 2 REQ'D



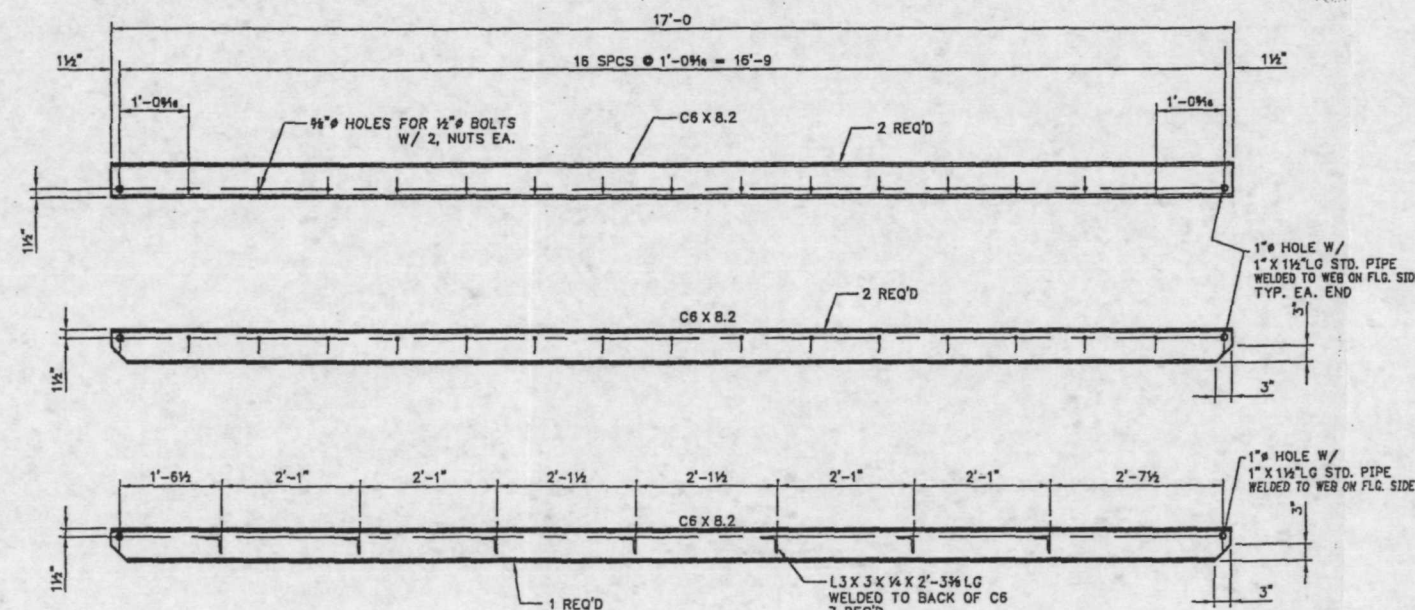
DETAIL 6
SCALE: 3" = 1'-0
 MIDRAIL ATTACHMENT R'S 2 REQ'D



DETAIL 4
 SCALE: $\frac{3}{4}" = 1'-0"$
 MIDDLE POST 1 REQ'D



DETAIL 5
SCALE: 3" = 1'-0"
HANDRAIL ATTACHMENT P'S 2 REQ'D



DETAIL 1
SCALE: $\frac{3}{4}" = 1'-0"$
STRINGERS

[illegible]

COPY TO:

02/26/94



Simplot

MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PUMP PLATFORM

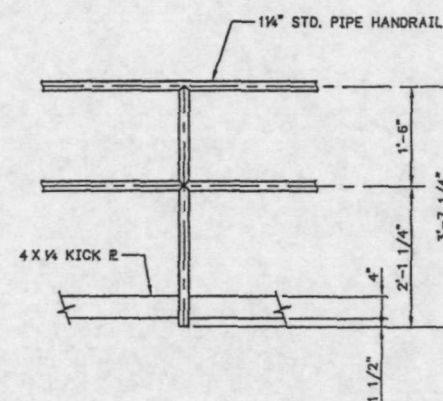
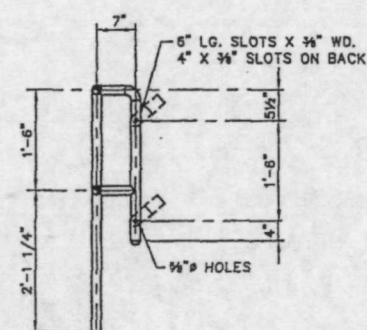
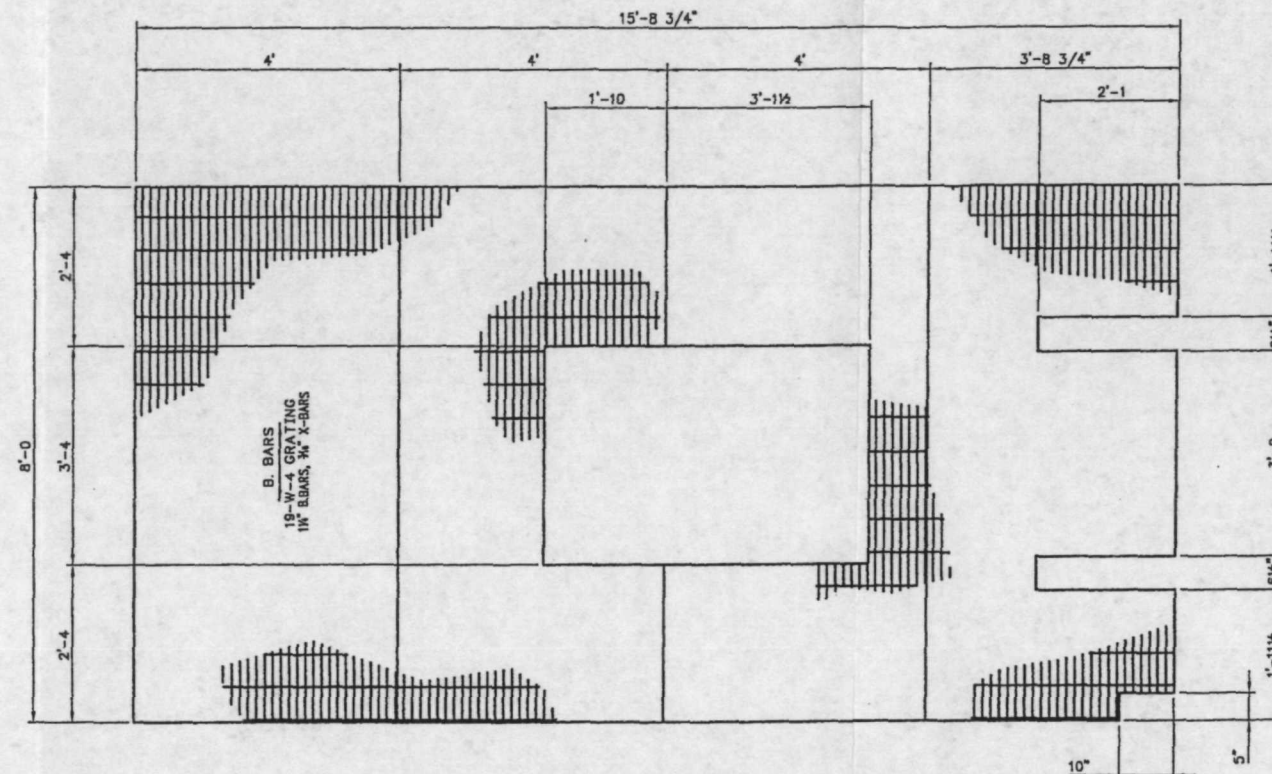
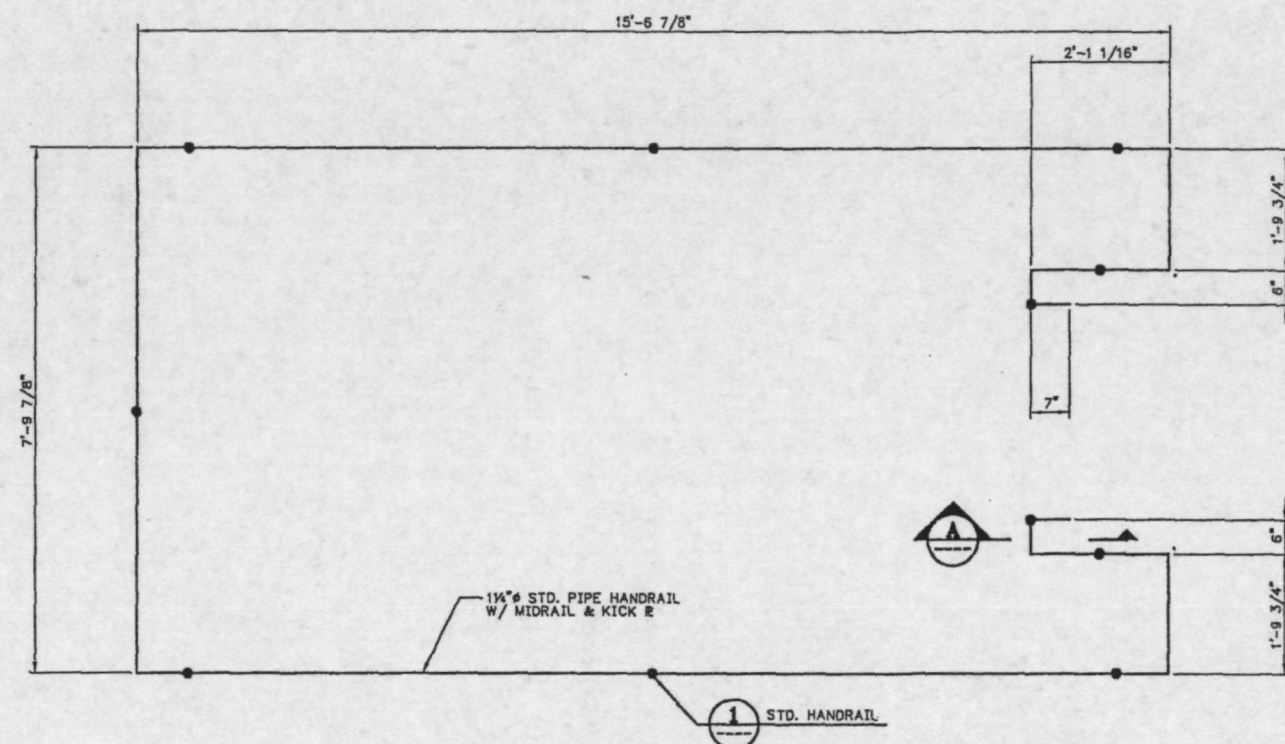
STAIR DETAILS

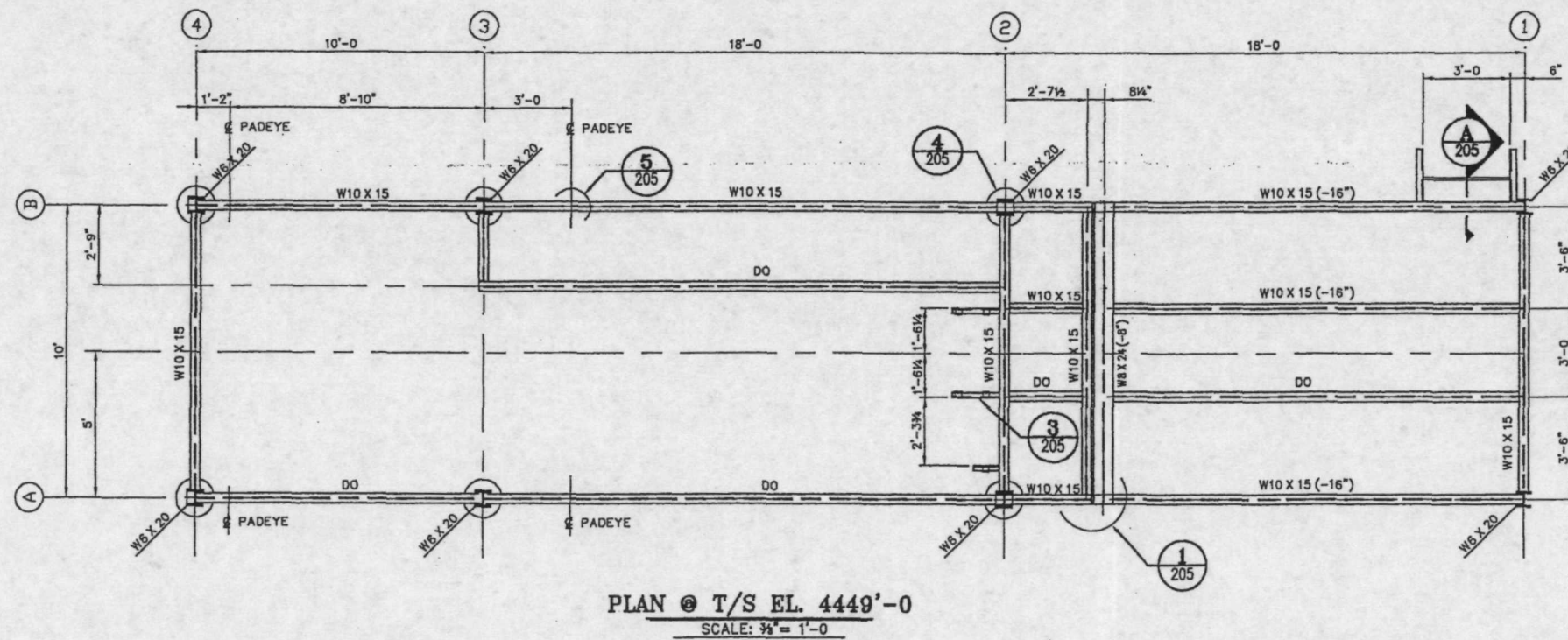
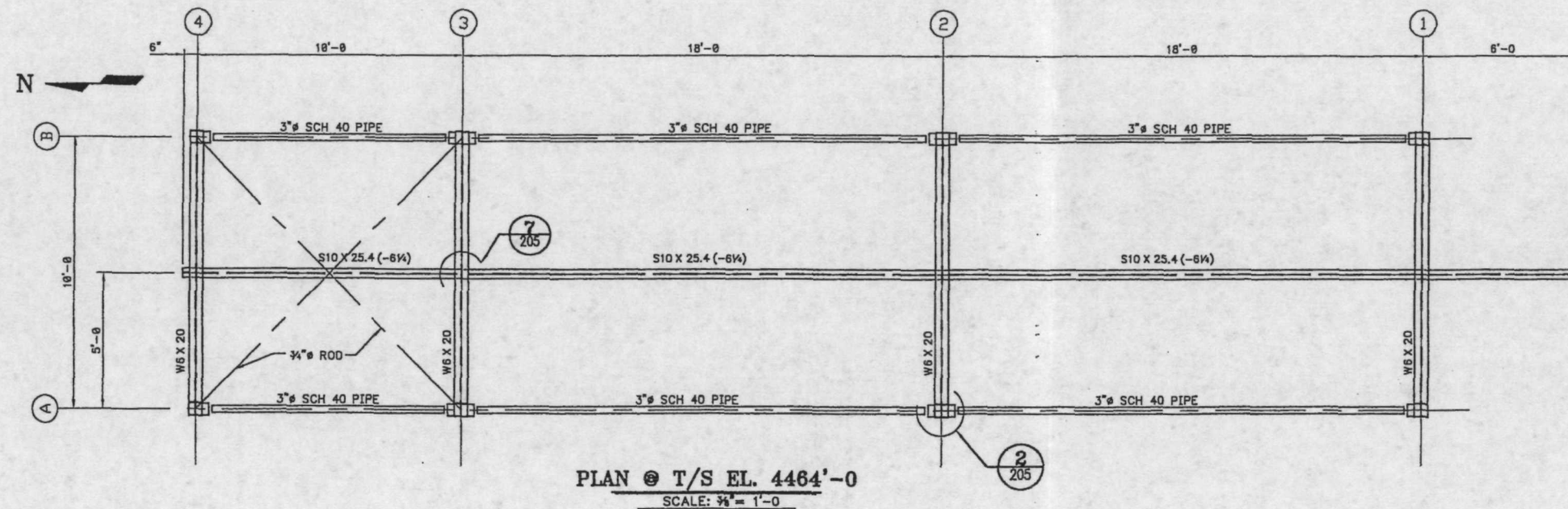
CAD DWG. #: 01IG8453

JRS-8463-S-201

SCALE: NOTED

REVISION 0

[illegible]



NOTE:

1. ALL STEEL, ASTM A-36
2. SHOP COAT STEEL WITH PORTER ZINCLOCK 351, 2 MILS DFT PRIMER, AND PORTER MCR 43 HIGH BUILD EPOXY, 4 MILS DFT FINISH COAT, LT. GREY. HANDRAILS OSHA YELLOW.

COPY TO:

Simplot

MINERALS & CHEMICAL GROUP POCATELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PUMP PLATFORM

PLATFORM STRUCT STEEL PLANS

CAD DWG. # 011F8463

JRS-8463-S-203

SCALE: NOTED

REVISION 1



NO.	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION
		1	P. ASCHENBRENNER	08/18/98	AS BUILT				

DRAWN BY: D. COVERT

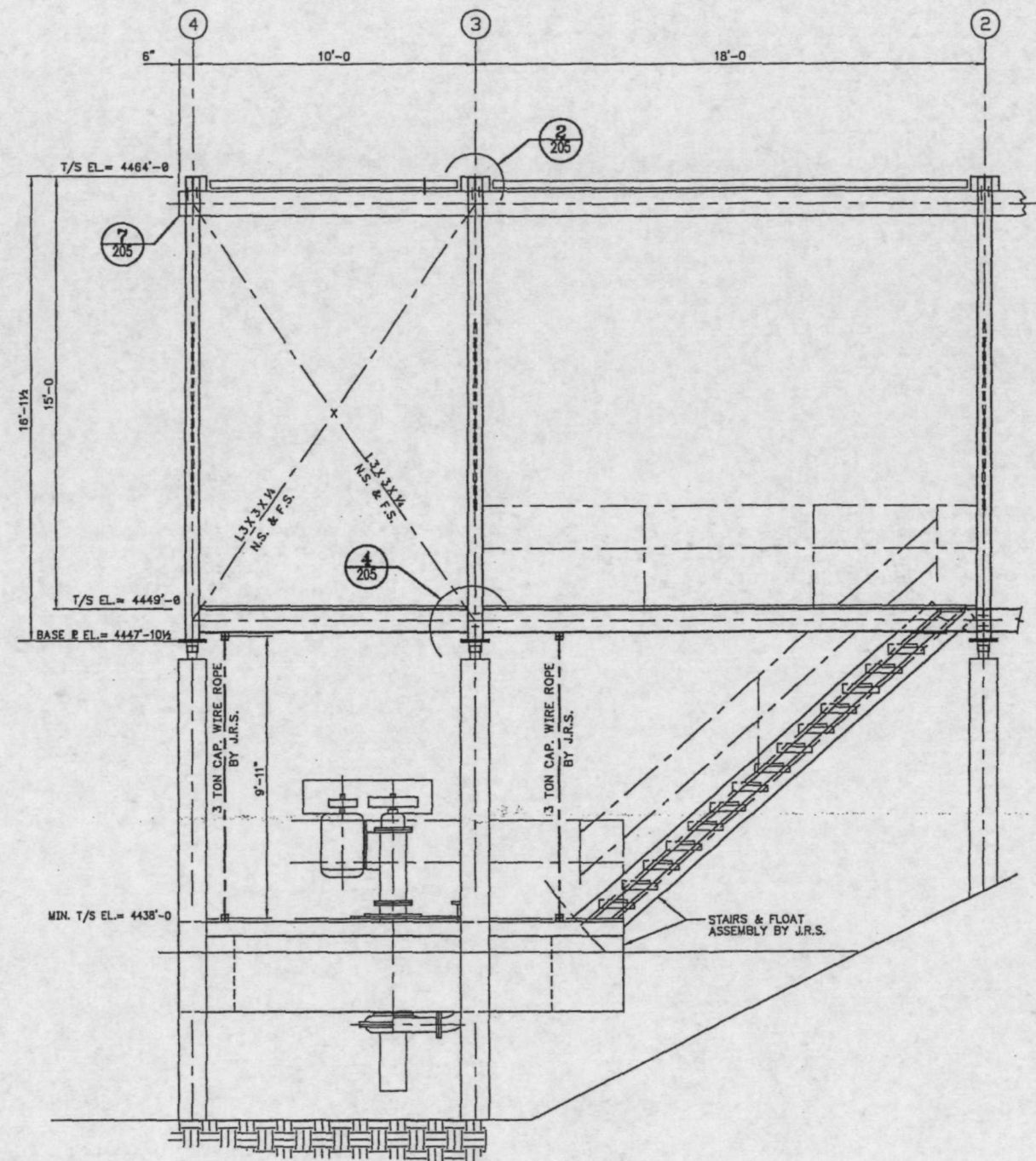
10/15/1993

DESIGNED BY: D. COVERT

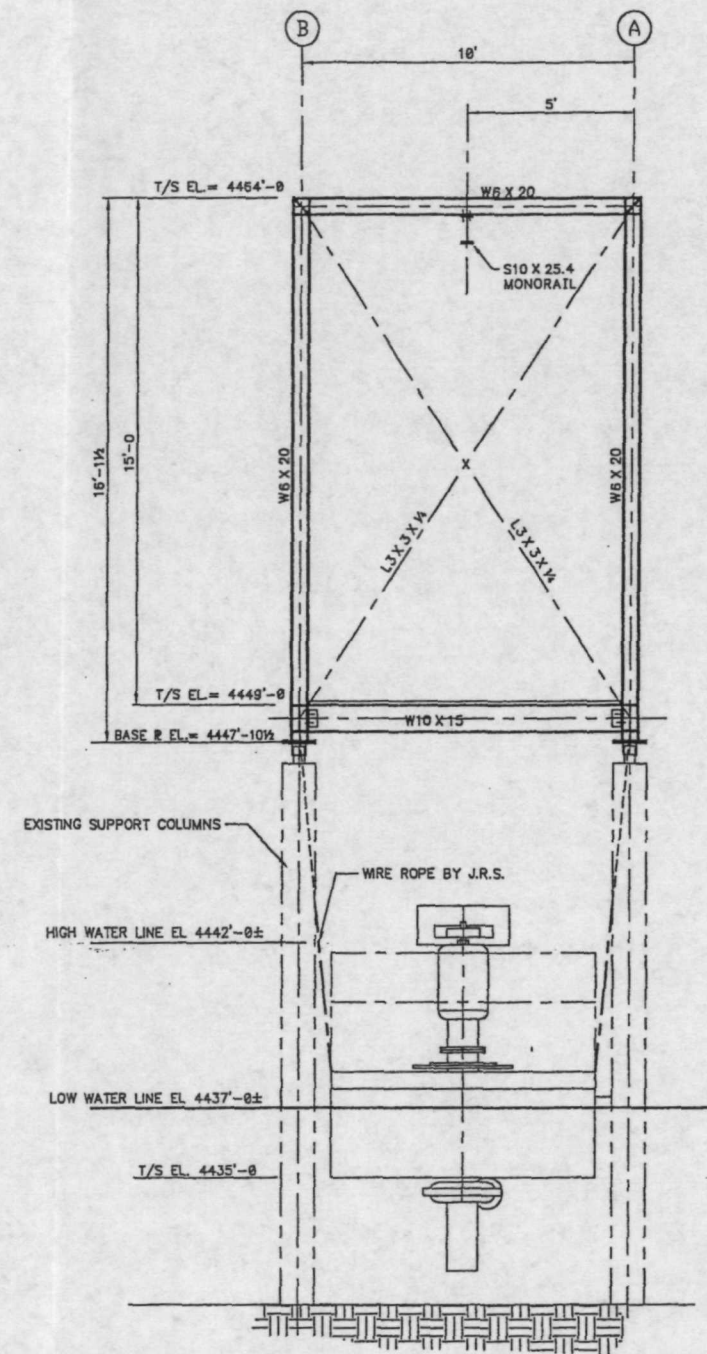
10/01/1994

CHECKED BY:

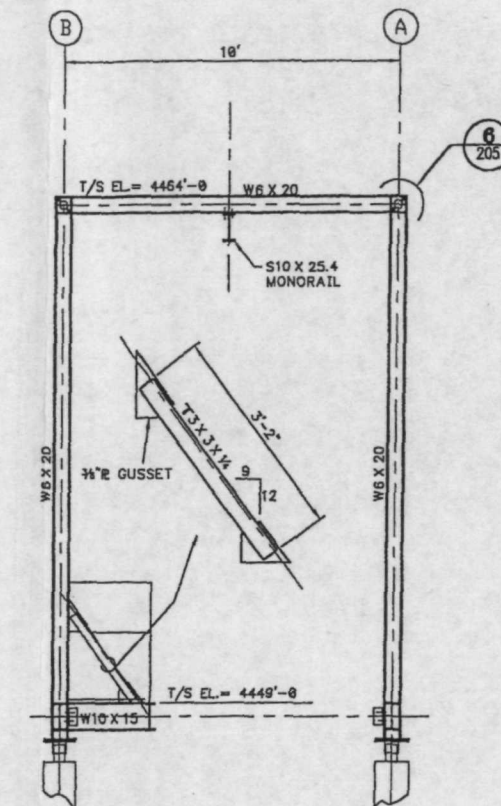
APPV'D. BY:



VIEW
SCALE: 3/8" = 1'-0" A
106



VIEW
SCALE: 3/8" = 1'-0" B
106



SECTION
SCALE: 3/8" = 1'-0" C
106

COPY TO:

Simplot

08/11/98

MINERALS & CHEMICAL GROUP POCATELLO, IDAHO
GENERAL PLANT EXPENSE
POLLUTION CONTROL
RECLAIMED WATER POND #2
PUMP PLATFORM
ELEVATIONS

CAD DWG. # 01888463

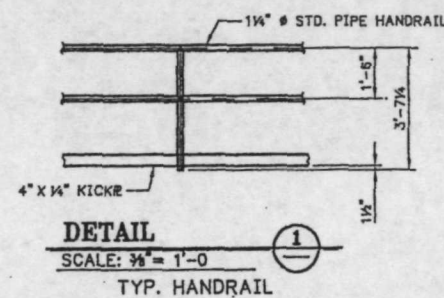
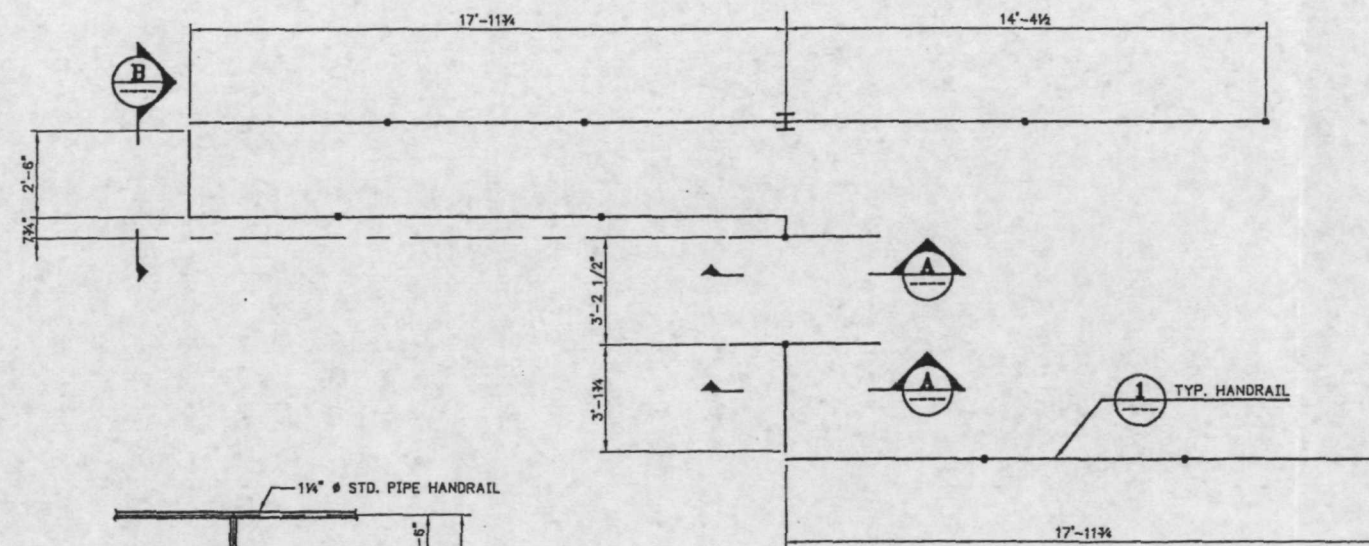
JRS-8463-S-204

SCALE: NOTED

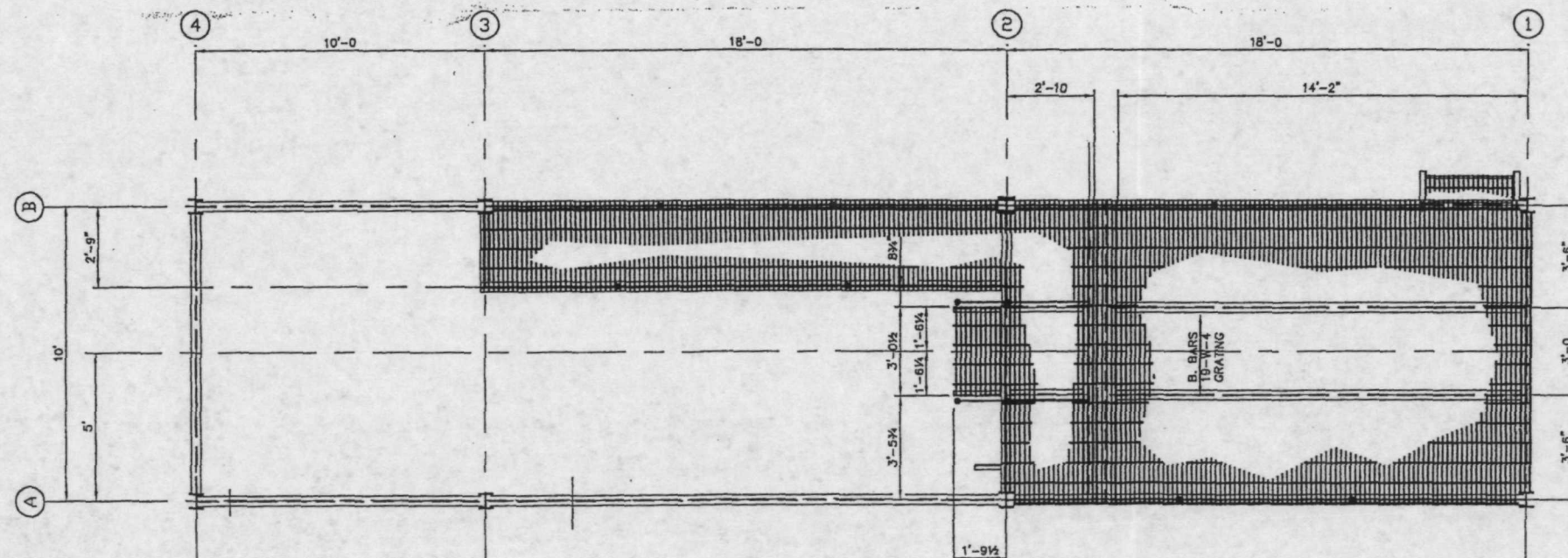
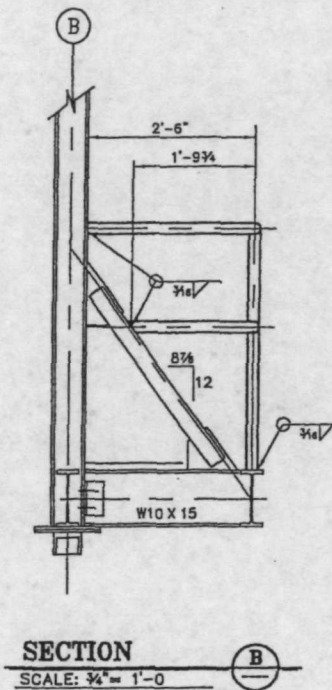
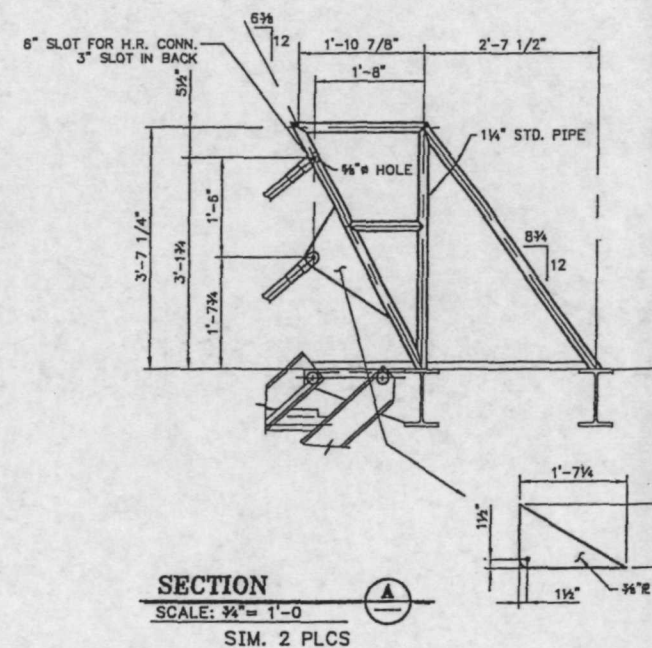
REVISION 1

NO.	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION	DRAWN BY: D COVERT	10/15/1993
										DESIGNED BY: D. COVERT	10/01/1993
										CHECKED BY:	
										APPV'D. BY:	





HANDRAIL PLAN
SCALE: 3/4\"/>



PLAN @ T/S EL. 4449'-0
SCALE: 3/4\"/>



REFERENCES	NO.	DESCRIPTION	REVISIONS	NO.	REVISED BY	DATE	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION	DRAWN BY: D COVERT	11/15/1998
				1	P. ASCHENBRENNER	08/18/98	AS BUILT					DESIGNED BY: D. COVERT	10/01/1998
												CHECKED BY:	
												APPV'D. BY:	

DRAWN BY: D. COVERT	11/15/1993
DESIGNED BY: D. COVERT	10/01/1993
CHECKED BY:	
APPV'D. BY:	

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08/11/98

Simplot

MINERALS & CHEMICAL GROUP POCATELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

PUMP PLATFORM

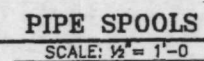
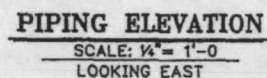
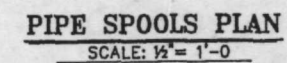
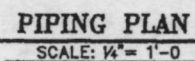
GRATING & HANDRAIL

CAD DWG. # 01B48463

JRS-8463-S-206

SCALE: NOTED

REVISION 1

[illegible]

COPY TO:

POST DATE: 08/11/98



Simplot

MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

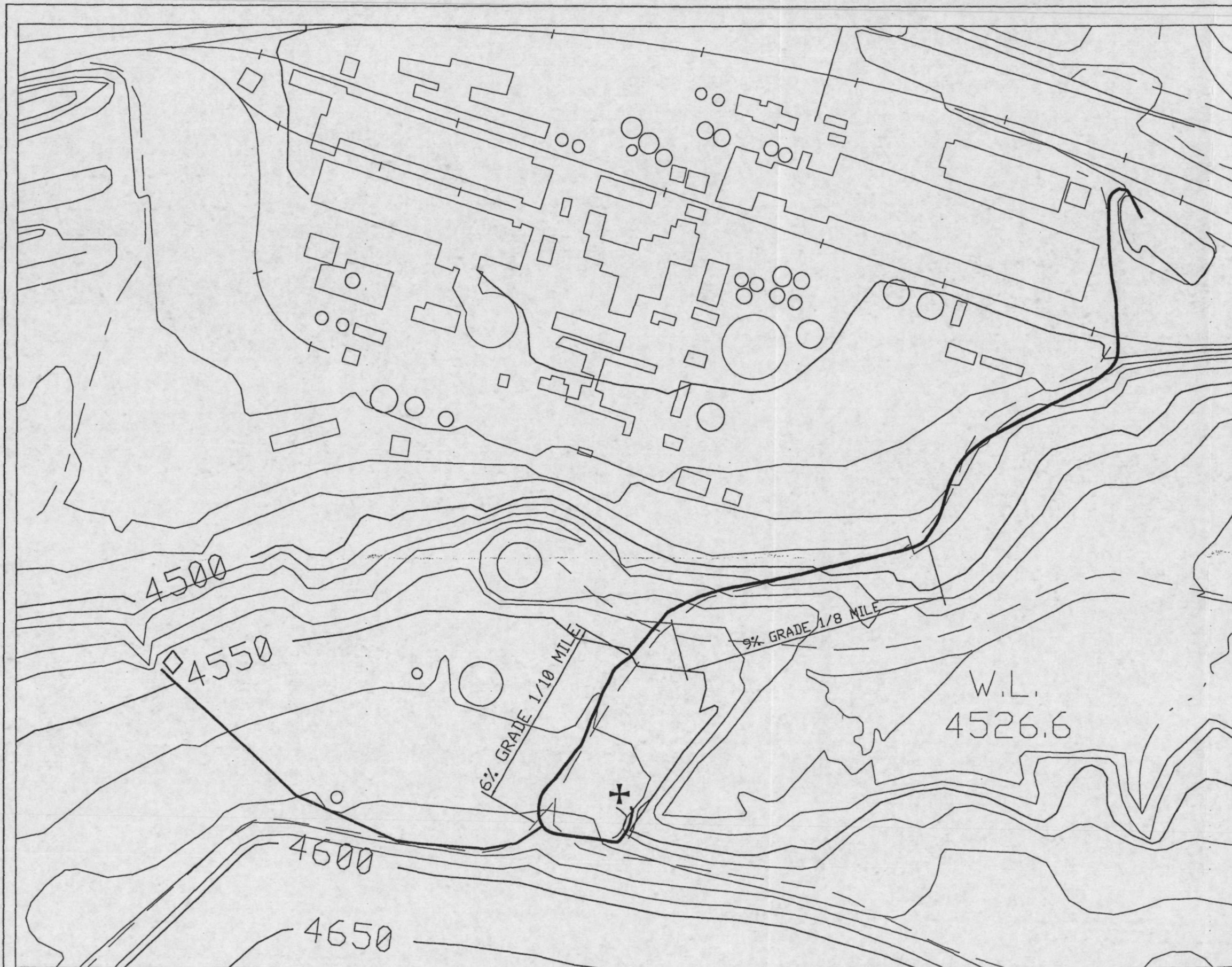
DISCHARGE PIPING, PLATFORM AREA
PLAN, ELEVATION & DETAILS

CAD DWG. #: 01108463

JRS-8463-P-207

SCALE: NOTED

REVISION/



NOTES:

EXCAVATION ROUTE TO COVER 5/8 MILE AND 125' ELEV.

X INDICATES DUMP SITE.

STOCK ROUTE TO COVER 3/4 MILE AND 125' ELEV.

◇ INDICATES STOCK DIRT SITE.

COPY TO:

1"=1800'	04/21/97
Simplot	
MINERALS & CHEMICAL GROUP POCATELLO, IDAHO	
GENERAL PLANT EXPENSE	
POLLUTION CONTROL	
RECLAIMED WATER POND #2	
EXCAVATION HAUL MAP	
PLAN & DETAILS	
CAD DWG. #: 83X18463	SCALE: 1"= 150'-0"
JRS-8463-C-214	REVISION 

REFERENCES	NO.	DESCRIPTION	REVISIONS	NO.	REVISED BY	DATE	DESCRIPTION	NO.	REVISED BY	DATE	DESCRIPTION

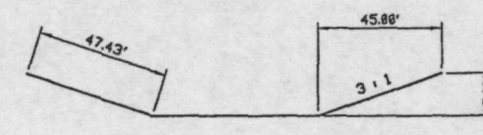
DRAWN BY: K CORBRIDGE

7/12/96

DESIGNED BY:


CHECKED BY:

APPV'D. BY:





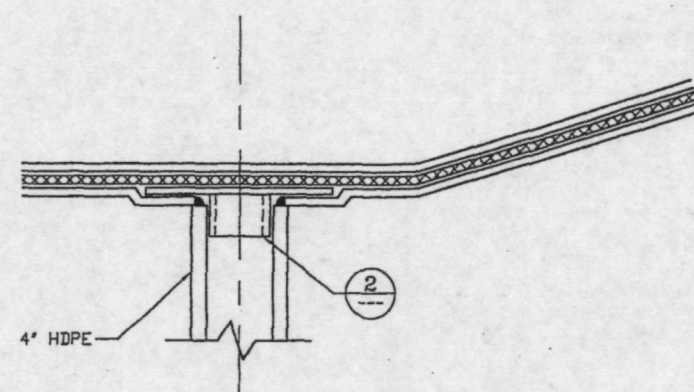
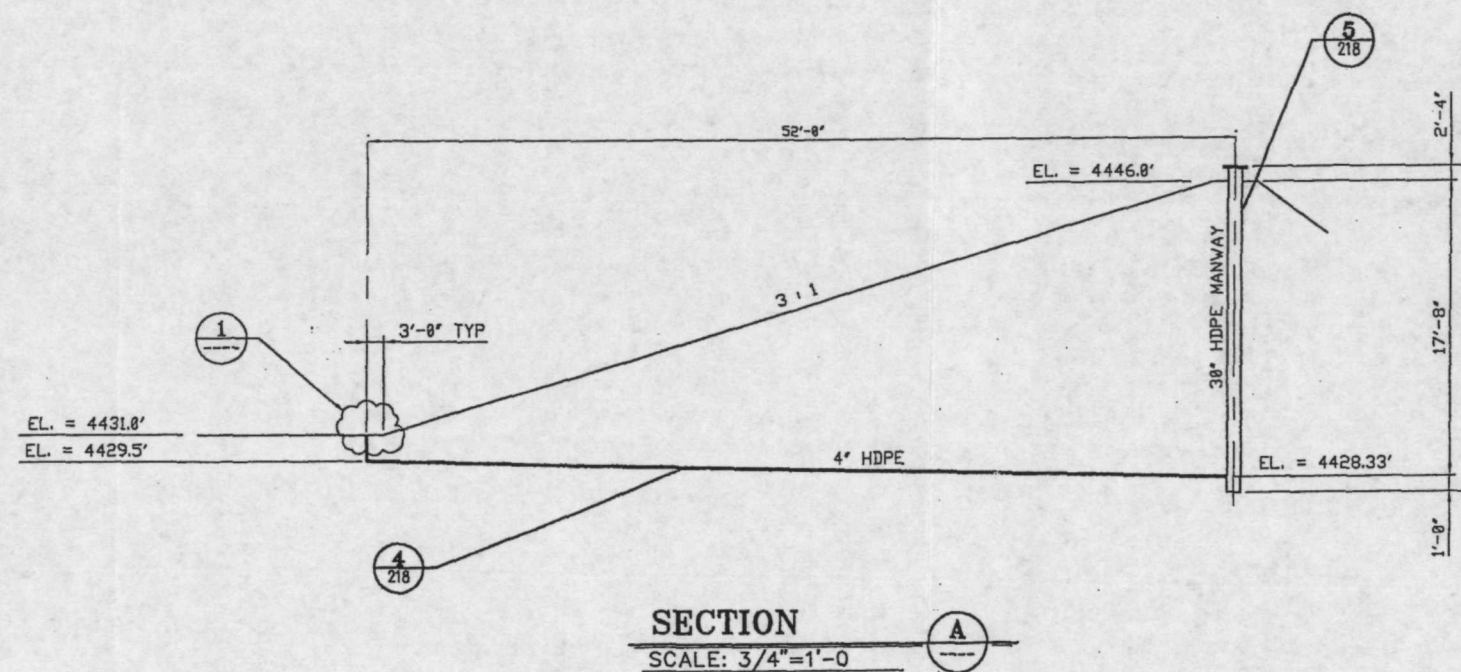
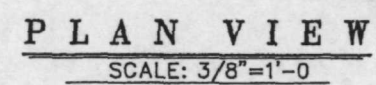
SCALE: 3/8"=1'-0

SCALE: $3/8"=1'-0$

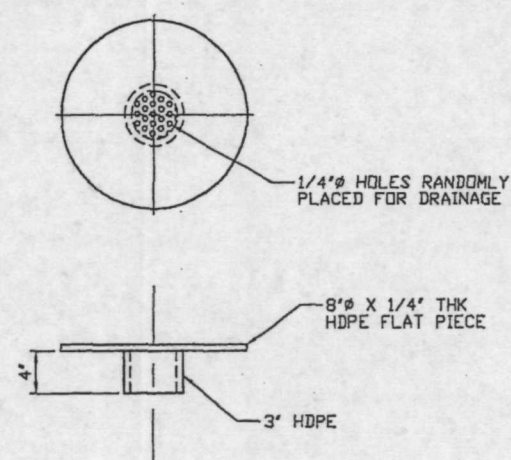
SECTION 

SCALE: 3/8"=1'-0

COPY TO:	
ADR SCALE 1=32	ADR DATE 08/11/98
	
MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO	
GENERAL PLANT EXPENSE	
POLLUTION CONTROL	
RECLAIMED WATER POND #2	
LINER PLAN & DETAILS	
CAD DWG. # 83X28463	
JRS-8463-C-215	
SCALE: 3/8"=1'-0"	
REVISION  1	



DETAIL
SCALE: N.T.S.



DETAIL (2)
SCALE: N.T.S.
PLUG DETAIL

[illegible]

COPY TO:

$$1 \approx 32$$

08/11/98


Simplot

MINERALS & CHEMICAL GROUP POCATELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

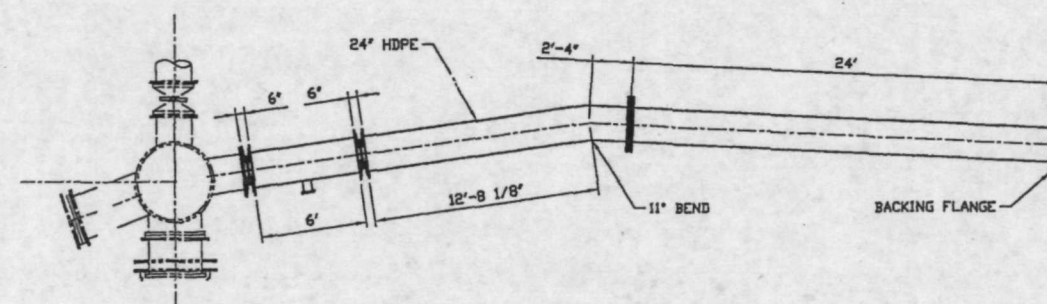
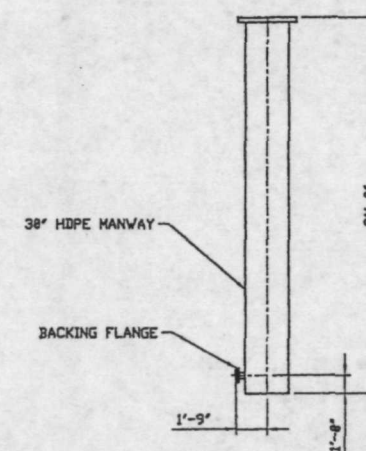
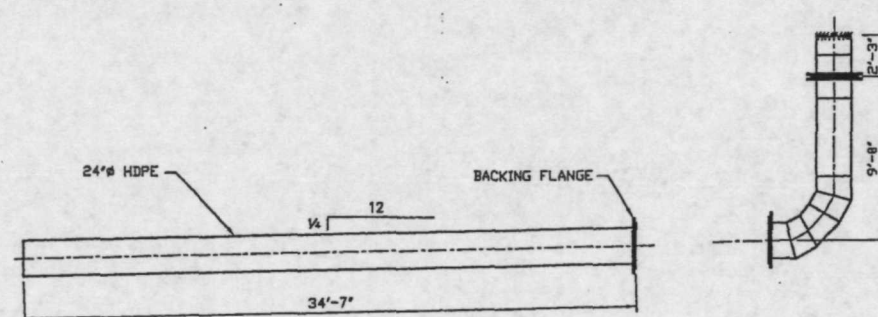
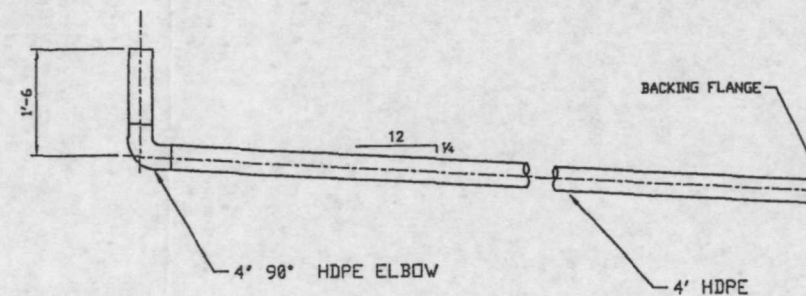
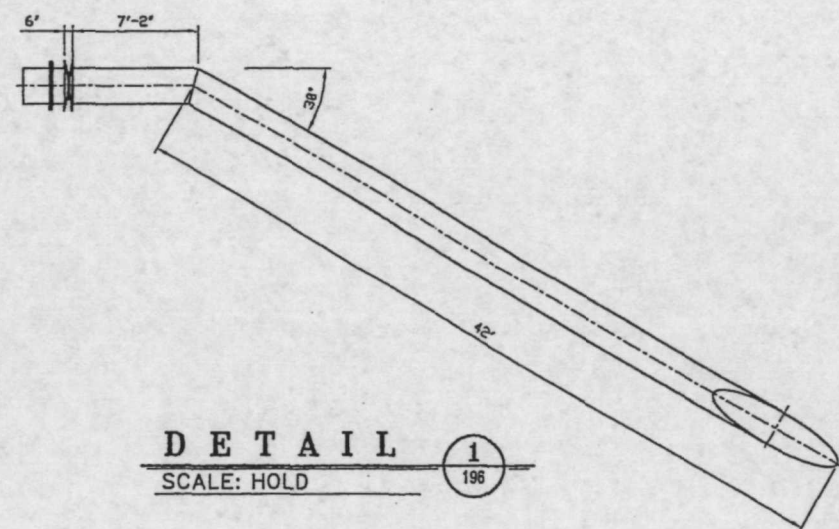
LEAK DETECTION SYSTEM PLAN & DETAILS

CAD DWG. #: 03X38463

JRS-8463-C-216

SCALE: 3/8"=1'-0"

REVISION

[illegible]

COPY TO:



Simplot

MINERALS & CHEMICAL GROUP POCA TELLO, IDAHO

GENERAL PLANT EXPENSE

POLLUTION CONTROL

RECLAIMED WATER POND #2

RECLAIMED WATER POND PIPING PLAN & DETAILS

CAD DWG. #: 046R8463

JRS-8463-P-218

SCALE:

REVISION

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MFG, Inc.

4900 Pearl East Circle
Suite 300W
Boulder, Colorado 80301-6118
303/447-1823
303/447-1836/FAX
www.mfgenv.com